

# contents

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telephones	<b>bellissimo</b> door entry colour video telephone	2
	<b>bellfree</b> 'handsfree' colour video apartment station	6
	<b>bellissimo</b> audio telephone	10
	801 door entry telephone	14

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panels	<b>bellini</b> panel range	18
	door entry panels – SPA range (standard panel alluminium)	22
	door entry panels – VRP & LCP range (vandal resistant & laser cut)	26

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door entry systems	<b>bellini</b> systems	30
	900 series audio door entry systems	34
	VRK series vandal resistant door entry systems	38
	<b>belltone</b> door entry telephone interface	42
	DDA door entry systems (DDA - disability discrimination act)	46
	<b>bellissimo</b> colour video door entry systems	52
	<b>digibell</b> digital door entry systems	58
BSX & DAX isolating exchange door entry systems	62	

---

proximity systems	combined door entry and proximity systems	68
-------------------	---	----

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coded systems	<b>bellcode</b> coded access systems	74
	cs109 combined door entry and coded access (secure)	78
	cs106 combined door entry and coded access (standalone)	82

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accessories	door entry components and accessories	86
-------------	---------------------------------------	----

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call systems	<b>bellcall</b> emergency call system	89
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*bellissimo door entry  
colour video telephone*



The contemporary and stylistic **bellissimo** video telephone has a slim and curvaceous profile. It is supplied in white to complement most modern wall furnishings and is now the preferred choice of many of the UK new build property developers.

The bellissimo model BS video telephone is manufactured in white high-impact ABS plastic for high durability and has a 3.5" LCD colour display providing a high definition quality picture.

With a fresh modern look the video telephone has soft silicone backlit buttons and a ringer volume control. Privacy of speech is included whereby only the called resident can converse with the caller.

These telephones can operate over long distances with standard CAT5 cables. They are wall mounted without the need for additional brackets and connections to the telephone use removable connecting blocks.

# bellissimo door entry colour video telephone



Model BS



Privacy of speech is included whereby only the called resident can converse with the caller. When called the telephone activates the display and enables speech for a fixed period (adjustable 15 – 180 seconds).



#### View

This button will flash in AMBER whilst the telephone is ringing. The telephone will normally display the picture from the panel camera unless the auto-picture option has been disabled and in this instance the resident must press the flashing amber button or lift the handset for the display to appear.

The telephone has three 'soft-touch' silicone rubber push buttons that can be backlit and each has a clear and precise function symbol;



#### Private

To avoid disturbance the resident can push this button to mute the ringing tone and the button will illuminate in RED. The telephone will revert to normal operating mode after a selectable fixed period (adjustable between 1 minute and 10 hours, or indefinitely).



#### Door

A momentary press of this button will provide a timed output to the lock release (adjustable at the panel controller, typically 3 seconds). The button will flash in GREEN to indicate that the door may be released and will be lit permanently in GREEN if the door has been left in an open state (door contact required).



The model BS-DESK is available for table top mounting. The BS-DESK is factory fitted on a sloped pedestal for ease of use and has a captive cable with plug-in connector for the supplied telephone wall mounting socket.

The model BS video telephone can be connected to further model BS video telephones for extension purposes. Alternatively, a model BS-A audio telephones can be considered. In addition, a flashing beacon (model BS-FB) and an extension sounder (model BS-RT) can also be used as extensions.



Model BS-DESK

Model BS-A  
Audio phone  
for extension



Telephone Dimensions:  
H = 225mm, W = 180mm, D = 60mm

*bellfree 'handsfree' colour  
video apartment station*

**bell**  
system



The bellfree colour video apartment station is a welcome addition to our range of door entry systems. It operates with true 'hands-free' speech with outstanding clarity. Its sophisticated and universal appeal makes it the ideal choice for new build apartment blocks and refurbishments.

The bellfree system is compatible with the Bellissimo video telephone (model BS) and the Bellissimo audio telephone (model BS-A). This makes it a perfect solution for mixed housing developments and also allows for added options for extension telephones.

The model BF apartment station is supplied for both surface and flush fitting without additional brackets or connectors.

# bellfree 'handsfree' video apartment station



Model BF



Sensitive Touch Pad for user operation



Surface or Flush fitting without additional brackets or connectors

The bellfree apartment station has a contemporary and slim profile to complement modern apartments. It has true 'hands-free' speech operation utilising a semi-custom Digital Processor with 'Adaptive Acoustic Echo & Ambient Noise Cancellation'.

Some of the notable features of the bellfree apartment station and system are;

- High quality colour video with a 3.5" TFT screen.
- True 'hands-free' speech.
- A sensitive Touch Pad for user operation with multi-coloured back-lighting and universal graphic symbols.
- White satin-gloss finish to complement most wall furnishings.
- Discreet contrast and call-tone volume controls
- Supplied for both surface and flush fitting without the need for additional boxes, brackets or connectors.
- It requires standard CAT5 cable and has removable connectors for ease of installation.
- Compatible with bellissimo video and audio telephones for installation in mixed housing developments.
- Available with a range of vandal resistant stainless steel door panels with options for digital panels, DDA compliant panels, proximity and coded access.

Each standard BF packaged system provides all necessary components to install a complete video door entry system.

A standard multi-way BF system comprises of;

- model BF bellfree apartment stations
- model BSC4 telephone controller (one for every 4 units)
- model BFP stainless steel front door panel
- relevant BFD panel controller
- model CAMBS-C colour CCD day/night camera with infra-red lamps
- speech unit
- model PS4 12v DC power supplies





Model BF4/VR  
4 way system



Digital option



Proximity option

- model 203 surface lock release
- full wiring and installation manual

#### Ordering information

Order a model BF1 for a complete single station system. For multi-station systems order a model BF<sub>n</sub>, where n is the number of stations. Append /S for surface panels.

e.g. a model BF6 is a complete 6 station flush system

a model BF6/S is a complete 6 station surface system

For tradesmen facility, add the code TRBF (a model TS2000-BST time clock is included).

#### Model BSC4 Controller

The model BSC4 interfaces up to 4 bellfree apartment stations on to the CAT5 distribution and provides line isolation. Each bellfree unit has its own designated port with removable terminal blocks.

#### Door Panel Controllers

Each door panel on a system is connected to a door controller for connection to the CAT5 distribution network and provides all inputs and outputs to the door and panel.

BFD1 - one button panel controller

BFD8 - two to eight panel controller

BFD72 - nine to seventy two button panel controller

BFD-DIG - digital panel controller

**Please request a copy of the installation and operation manual prior to installation to ascertain full cable specification and layout.**

*bellissimo*

*bellissimo audio telephone*



The *bellissimo* audio telephone complements the *bellissimo* video range. It incorporates the extra functions and features of the video system which is often requested by specifiers for audio systems.

The contemporary design has an extremely slim profile giving the telephone a flush-effect when mounted on the wall. The telephone is manufactured from high impact white ABS plastic with two 'soft-touch' silicone rubber push-buttons that are selectively backlit and clearly marked with symbols.

Two models are currently available;

**model BS-A** for audio extensions on the *bellissimo* video systems or for connection to the bellcall digital systems.

**model BS-LX** available for connection to any of our standard 12v DC door entry systems and can be considered as a direct replacement for the model 500LX telephone previously supplied.

# *bellissimo audio telephone*



Model BS-LX



Model BS-A

The slim-line white bellissimo audio telephones are manufactured from high impact ABS plastic and have a flush effect profile when mounted on the wall.

The white handset cord is coiled and has a plug-in connector at the telephone base. No wires or parts are connected to the removable cover so that that when it is removed there is no risk of damage.



Standard features on these telephones are 'privacy of speech', 'ringing tone muting' with timing options, 'adjustable ring volume' and 'door open' indication. Two 'soft-touch' silicone rubber push-buttons are provided that are selectively backlit and clearly marked with symbols;



#### Private

To avoid disturbance from nuisance calls the resident may push this button to mute the ringing tone. The telephone will revert to normal operating mode after a selectable fixed period

(adjustable between 1 minute and 10 hours, or indefinitely). The button is permanently lit in RED when the telephone ringing tone is muted



#### Door

A momentary press of this button will release the lock mechanism. The button will be permanently lit in GREEN if the door has been left in an open state (door contact required).

Telephone Dimensions: H = 235mm, W = 105mm, D = 25mm

Two models are currently available;

#### Model BS-A

This model is used for audio extensions on the bellissimo video systems and also for connection to the digital systems when the extra function afforded by the telephone is specified.

#### Model BS-LX

A full function telephone designed for connection to our standard 12v DC door entry systems. This telephone is commonly used on the BSX and DAX full line isolation systems and is a direct replacement for the model 500LX telephone previously supplied.

A close-up, high-angle photograph of a white, plastic door entry telephone receiver. The receiver is positioned diagonally across the frame. The top surface features a speaker grille with several curved, parallel slats. The lighting is soft and even, highlighting the smooth texture of the plastic. The background is a plain, light color, making the white receiver stand out.

*801 door entry telephone*



The model 801 is Bell Systems' original door entry telephone. It has been re-styled a number of times over the years and still maintains its classic design. The 801 telephone continues to be the most popular in the UK market owing to its exceptional reliability and economical price.

The model 801 telephone operates from both 12v AC or 12v DC and is included in the standard model 900 and VRK audio door entry systems as well as the CS and CSP series of combined keypad and proximity door entry systems.

## 801 door entry telephone



Model 801

The telephone is manufactured in white high-impact ABS plastic for high durability and complements most wall furnishings. It incorporates a 'lock release' push-button discreetly positioned on the base, and under the handset, to prevent inadvertent use. With its wide handset the model 801 is especially recommended for the elderly.

The Electronic Ringing Tone has a useful safety feature whereby the tone is reduced when the handset is 'off the hook'.

The telephone has two levels for the ringing tone. A HI or LO position can be set within the telephone on installation or at future date.

The model 801 telephone operates from both 12v AC or 12v DC and is included in the standard model 900 and VRK audio door entry systems. It is also included in the CS series of combined keypad and proximity door entry systems.

Dimensions: H = 212mm, W = 85mm, D = 55mm

Available models;

- Model 801 (standard)
- Model 801PS (with mute + privacy)
- Model 801-DESK (desk mount)





Model 801



**801S - Mute Switch.**

A switch is included on the side of the telephone to allow the user to mute the call-tone and prevent disturbances from nuisance calls.

**801P - Privacy of Speech.**

Any conversation between the visitor and the resident on the called telephone is totally private. The telephone will remain 'live' for a set period after being called and will then automatically close down the speech connection. The 'privacy of speech' feature is highly recommended on systems that have in excess of 10 stations. Without

this feature, the speech clarity of the system will be impaired if telephones are left 'off the hook'; this is more likely on a larger system.

The model 801-DESK is available for table top mounting. The model 801-DESK is factory fitted on a sloped pedestal for ease of use and has a captive cable with plug-in connector for the supplied telephone wall mounting socket.



Model 801-DESK

*bellini panel range*



Bell System is pleased to announce the launch of the new **bellini** range of door entry surface mounting panels. These new stylish panels can be considered as an elegant alternative to the traditional SPA series of panels.

The **bellini** panels are designed for installations at low-rise apartments, maisonettes and conversions making them an ideal choice for the private building sector and property developers. The range currently includes audio, audio combined with a keypad and video panels.

All panels are manufactured from anodised aluminium in a contemporary design and have black plastic trims with contrasting chromed pushbuttons and speech grill. The front panels are hinged from the back box for ease of installation and the hinges can easily be changed from one side to the other to assist in tight locations

## *bellini panel range*



Model BLP2  
Audio Panel

The front panels are hinged from the back box and the hinges can easily be changed from one side to the other to assist their installation in tight locations.

The bellini video panels include a protected CCD colour camera for connection to the bellissimo video system.

The bellini audio combined panels include an integral model C106 keypad for a residents' coded access facility.



Model BLP106-3  
Combined Panel

Optional nameplate illumination is available with the model BLP-LAMP lighting module.

Panels do not include the speech unit and a model 61 speech unit should be ordered with each panel.



Model BLVP8  
Video Panel

The bellini panels can be purchased independently or as part of a packaged system. Three styles of panel are immediately available;

- Audio panel; 1, 2, 3, 4, 6, 8, 10 and 12 buttons
- Audio and video panel; 1, 2, 3, 4, 6 and 8 buttons
- Audio panel with integral keypad; 1, 2, 3, 4 and 6 buttons



Innovative hinged assembly for ease of wiring



Bellini Panel Dimensions (mm) panels up to 3 buttons are single pushbuttons, panels above are double pushbuttons.

AUDIO				VIDEO				KEYPAD			
CODE	Height	Width	Depth	CODE	Height	Width	Depth	CODE	Height	Width	Depth
BLP1	185	100	35	BLVP1	260	100	35	BLP106-1	285	100	35
BLP2	210	100	35	BLVP2	285	100	35	BLP106-2	310	100	35
BLP3	235	100	35	BLVP3	310	100	35	BLP106-3	335	100	35
BLP4	210	100	35	BLVP4	285	100	35	BLP106-4	310	100	35
BLP6	235	100	35	BLVP6	310	100	35	BLP106-6	335	100	35
BLP8	260	100	35	BLVP8	335	100	35				
BLP10	285	100	35								
BLP12	310	100	35								

The background of the slide is a blurred, close-up view of several parallel, rectangular door entry panels. The panels are arranged in a row, receding into the distance, creating a strong sense of perspective. The lighting is soft and even, highlighting the metallic texture of the panels. The overall color palette is a range of light greys and off-whites, contributing to a clean and professional aesthetic.

*door entry panels – SPA range*  
*(standard panel aluminium)*



The SPA panels are supplied in the model 900 series door entry systems and are a popular choice due to their high durability, resistance to corrosion and low cost.

These panels offer a contemporary and attractive style. The panels up to 10 buttons are manufactured from 3 mm brushed anodised aluminum with an integral grill that protects the speech unit and complements the surface back box. The grill has fixings on the rear to firmly secure the speech unit.

As standard, the panels are supplied with a low-profile surface-mounting box moulded in black to complement the push-buttons. Alternatively, the panels can be supplied with a flush fitting zintec back box and vandal resistant bolts.

## door entry panels – SPA range



Model SPA1



Model SPA4



Model SPA6

### Panels 1 to 10 buttons

They are manufactured from 3 mm brushed anodised aluminium with an integral grill that protects the speech unit and complements the surface back box. The grill has fixings on the rear to firmly secure a model 61 speech unit.

A single push-button with integral nameplate is provided for each station including an optional Tradesman's button. This push-button has a versatile design whereby pressure from any part of the nameplate will initiate a call. The nameplate can easily be removed

from the front for replacement or amendment of the name or number on the paper insert (included with each button).

Optional backlighting can be achieved by fitting a model SPA-LAMP lamp unit to each push-button.

### Panels above 10 buttons

These panels are manufactured from 4mm brushed anodised aluminium and are available in even numbers and for flush-fitting only. A single push-button is provided for each station including an optional

Tradesman's button. A nameplate is positioned adjacent to the push-buttons. Optional backlighting can be achieved by fitting festoon lamp units to the back-box; specify model 37 holder and model 36 bulb.

The back box is manufactured from Zintec, a coated steel material that prevents tarnishing and rusting. The panel is attached to the back box by means of vandal resistant bolts (model 38) requiring a special tool (model 39) for their removal. These bolts and one special tool are supplied with each panel.





Model SPA12



Sizes above 10 buttons use a different style panel and are flush fitting only.  
 Sizes on application.  
 Panel dimensions are approximate and may change without notice.

SPA Door Entry Panel Dimensions SPA1 to SPA10 and SPA1F to SPA10F

Code	Flush Panel (F)					Surface Panel		
	Panel (mm)		Backbox (mm)			Backbox (mm)		
	H	W	H	W	D	H	W	D
SPA1	170	83	159	73	35	190	102	38
SPA2	230	83	219	73	35	248	100	43
SPA3	270	83	259	73	35	288	100	43
SPA4	270	83	259	73	35	288	100	43
SPA5	370	83	359	73	35	388	100	43
SPA6	370	83	359	73	35	388	100	43
SPA7	370	83	359	73	35	388	100	43
SPA8	470	83	459	73	35	488	100	43
SPA9	470	83	459	73	35	488	100	43
SPA10	470	83	459	73	35	488	100	43

**Ordering information**

Order a model SPA n, where n is the number of push-buttons required e.g. a 9 button unit would be a model SPA9.

(Please include an extra push-button should a Tradesmen/Services button be required).

**All panels up to 10 buttons require a model 61 speech unit.**

**Panels above 10 buttons require a model 51 speech unit.**

A close-up photograph of a door handle and panel. The handle is a polished, oval-shaped metal piece. Below it is a rectangular panel with a brushed metal finish. The background is a light-colored, textured surface, possibly the door itself.

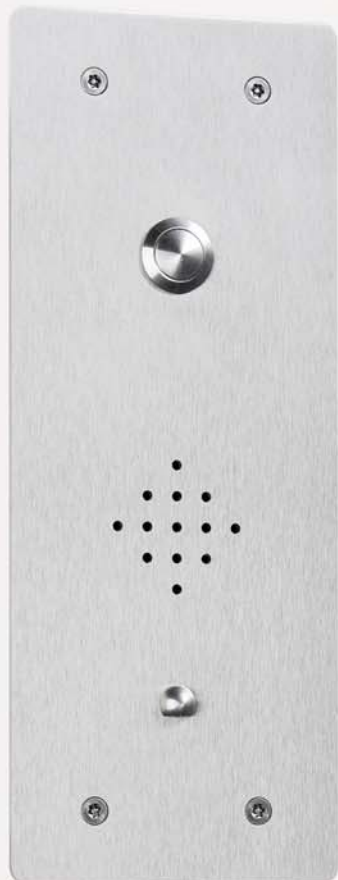
*door entry panels*  
*VRP and LCP range*  
*(vandal resistant and laser cut panels)*



In vulnerable areas the entrance panel may be subject to vandalism. This is common with local authority and public housing. Although it is impossible to withstand extreme acts of vandalism, our VRP panels are designed to resist all but the most determined of vandals. The LCP panel offers even greater protection than the VRP panels and will resist most attacks of vandalism.

The VRP panels are manufactured in our factory from 2.5mm 316 marine grade stainless steel. A stainless steel vandal resistant push-button is provided for each station and optionally for Trades. For each push-button a number or letter can be engraved on the panel for permanent identification. Many options are available for these panels including keypads, proximity readers and cameras.

## door entry panels – VRP and LCP range



Model VRP1



Model VRP4



Model VRP9-S

The VRP panels are manufactured from 2.5 mm 316 marine grade\* stainless steel or optionally in solid brass. They are supplied for flush mounting with a zintec back-box or optionally for surface fitting with a stainless steel cowling. The panel is fixed to its back-box with tamper proof bolts (a special 1/4" hex bit is supplied).

A single stainless steel vandal resistant push-button (or brass button for brass panel) is provided for each station and optionally for Trades.

These buttons are individually attached by means of a nut on the rear of the panel.

For each push-button a number or letter can be engraved on the panel for permanent identification. The engraving of flat numbers is included in the price but any further engraving, e.g. building names or instructions will incur a modest surcharge.

Although we generally supply panels to fit standard back boxes, they can be manufactured to custom dimensions; prices for this can be obtained on application.

Since there are many variations with vandal panels an illustrative and dimensioned drawing is provided for approval prior to manufacture.

Custom layouts can include;

- Custom engraving with numbers and text
- Trades facility
- Cut out for CCD camera
- Cut out for Proximity readers with stud fixings
- Keypads for access control



Model LCP7

*\*Despite the fact that the highest quality of 316 marine grade stainless steel is used in the manufacture of our panels they can still be prone to tarnishing in some coastal locations or in areas of industrial pollution. If in doubt about the suitability of these panels in your area please contact us for advice.*

#### LCP Laser Cut Panels

The LCP panel offers even greater protection than the VRP panels and will resist most attacks of vandalism. The front-plate consists of an overlapping bezel and a removable plate cut by a laser from the same sheet of 2.5 mm 316 marine grade stainless steel. This leaves a gap of

just 0.3 mm rejecting implements that could be used to force the panel from its box. The bezel is securely welded to the back-box providing an extremely strong fixing to the wall. The removable plate is fixed to the bezel and back box with countersunk A2 stainless steel security bolts requiring the use of a specialist tool for their removal (supplied).

Vandal resistant push-buttons are included which are individually attached by means of a back nut on the rear of the panel. For each push-button a number or letter can be engraved on the panel for permanent identification. The engraving of flat numbers is included in



Model VRP5  
with extra engraving



Model VRP6-WIN

the price but any further engraving can be included for a modest surcharge.

#### Ordering information

Order a model VRP n or LCP n, where n is the number of push-buttons required.

e.g. a 4 button unit would be a model VRP4.  
(Please include an extra push-button should a Tradesmen/Services button be required.)

For surface panels add -S to the order code e.g. VRP4-S

**All panels require a model 61 speech unit.**



*bellini systems*



The **bellini** systems are designed for installations in low-rise apartments, maisonettes and conversions making them an ideal choice for the private building sector and property developers. The range currently includes audio systems, audio and keypad combined systems and video systems.

The surface mounted panels are manufactured from anodised aluminium with a contemporary design and profile. The panels have curved black plastic trims which contrast with the distinctive chromed pushbuttons and speech grill. The front panels are hinged from the back box and the hinges can easily be changed from one side to the other to assist their installation in tight locations.

These new stylish systems can be considered as an elegant alternative to the traditional 900 series systems. An optional tradesmen facility is available on all but the largest system size in each version.



Model BL2  
2 way audio system



Model BL106-3  
3 way combined system



### **bellini audio systems**

The bellini audio systems include the new contemporary surface mounted bellini panels. Each audio system includes a bellini audio panel, the popular model 801 white wall-mounting telephones, a model 61 speech unit and a power supply. A fail-secure lock output is available and the model 210 lock release is recommended.

Panel sizes include 1, 2, and 3 with single buttons and, 4, 6, 8, 10, and 12 with double buttons to keep panel dimensions to a minimum. Optional nameplate illumination is available with the model BLP-LAMP lighting module.

### **bellini combined audio and coded access systems**

The bellini combined systems include the new contemporary surface mounted bellini panels. A complementary chromed model C106 keypad with LED indicators is included for coded access functions. The C106 keypad may be programmed with up to 10 unique access codes and has many programmed functions including lock duration, lock delay and timed restrictions.

Each combined system includes a bellini panel with keypad, the popular model 801 white wall-mounting telephones, a model 61 speech unit and a power supply. A fail-secure and a fail-safe lock output are

available and the model 210 (fail-secure) or the model 206 (fail-safe) lock release is recommended.

Panel sizes include 1, 2, and 3 with single buttons and, 4 and 6 with double buttons to keep panel dimensions to a minimum.

Optional nameplate illumination is available with the model BLP-LAMP lighting module.





Model BLV2  
2 way video system



### Bellini colour video systems

The bellini colour video systems include the new contemporary surface mounted bellini panels.

A protected 'day-night' colour CCD camera with infra-red lamps is mounted in the panel for connection to the video telephone giving a great colour picture of the visitor during the day and automatically reverting to black and white at night to ensure a clear picture.

Each video system includes a bellini panel with camera, the popular bellissimo video telephones with a 3.5" colour TFT screen and soft

silicone backlit buttons, a model 61 speech unit, all necessary controllers and a power supply. A fail-secure and a fail-safe lock output are available and the model 210 (fail-secure) or the model 206 (fail-safe) lock release is recommended.

Panel sizes include 1, 2, and 3 with single buttons and, 4, 6 and 8 with double buttons to keep panel dimensions to a minimum.

Optional nameplate illumination is available with the model BLP-LAMP lighting module.

### Ordering information

#### Audio systems;

Order a model BL n, where n is the number of stations required e.g. a 4 station audio system is a model BL4  
For tradesmen entry add the code TRBL

#### Combined Audio and keypad systems;

Order a model BL106-n, where n is the number of stations required e.g. a 4 station combined system is a model BL106-4  
For tradesmen entry add the code TRBL

#### Video systems;

Order a model BLV n, where n is the number of stations required e.g. a 4 station video system is a model BLV4  
For tradesmen entry add the code TRBLV

***bellini systems do not include a lock release***

A close-up, slightly blurred photograph of a door handle. The handle is light-colored and features a series of parallel, slanted ridges that create a textured, ergonomic grip. The lighting is soft, highlighting the contours of the ridges.

*900 series  
audio door entry systems*



The 900 Series audio door entry systems are recognised for their high quality and competitive pricing and are widely accepted as the industry standard.

Each system provides all of the components necessary to install a complete audio door entry system; including a surface lock release as standard. The packaging of these complete systems allows for ease of specifying, tendering, distribution and installation.

These systems are available from a one way (model 901) up to any size.

# 900 series audio door entry systems



Model 901  
1 way system



Model 902  
2 way system



Each 900 series system comprises of;

- model 801 telephone, one for each station
- model SPA front door panel
- model 61 speech unit (model 51 above 10 ways)
- model 203 surface lock release
- model 212 12v AC PSU (model 225 above 10 stations)
- full wiring and installation instructions

The SPA panels supplied in the 900 kits are a popular choice due to their high durability, resistance to corrosion and low cost. These panels are designed with an attractive and contemporary style and are available surface or flush up to 10 ways. The larger panels are of a more classic style and are available flush fitting only.

The model 801 telephone is included as standard in each system. The telephone is manufactured in white high-impact ABS plastic that imparts high durability and complements most wall furnishings.

With its wide handset the model 801 is especially recommended for the elderly.

It incorporates a 'lock release' push-button discreetly positioned on the base, and under the handset, to prevent inadvertent use. The Electronic Ringing Tone has a useful safety feature wherein the tone is reduced when the handset is 'off the hook'.



Model 904  
4 way system



Model 906  
6 way system



#### Ordering Information

Order a model 901 for a complete single station system.

For multi-way systems order a model 900 + n, where n is the number of stations, e.g. a model 914 is a complete 14 station system.

(For systems above 20 stations please append the code P for inclusion of privacy telephones)

For tradesmen entry facility, simply add TR900 to any given system, e.g. a six station system with trades facility is a model 906 +TR900 (A model TS2000-BST time clock is included).

*VRK series  
vandal resistant  
door entry systems*



The VRK Vandal Resistant Door Entry Systems have been devised for buildings that are prone to external vandalism.

Each system provides all of the components necessary to install a complete audio door entry system; including a surface lock release as standard. The packaging of these complete systems allows for ease of specifying, tendering, distribution and installation.

The system can have a range of options including; surface mounting panels, extra engraving and a tradesmen entry facility. These systems are available from a one way (model VRK1) up to any size.

# vrk series vandal resistant door entry systems



Model VRK1  
1 way system



Model VRK3+LOGO  
3 way system

Each VRK series system comprises of;

- model 801 telephone, one for each station
- model VRP front door panel
- model 61 speech unit
- model 203 surface lock release
- model 212 12v AC PSU (model 225 above 10 stations)
- full wiring and installation instructions

The model VRP panels are manufactured from 2.5 mm 316 marine grade\* stainless steel. All panels are flush mounted and fixed to the back-box by tamper proof bolts (a special key is required to remove

the panel). A vandal resistant button is provided for each flat and optionally one for Tradesmen.

Each panel is custom engraved to client's specifications using the Panel Designer software, which creates a dimensioned drawing of the panel for customer approval prior to manufacture. The engraving of flat numbers is included in the price of each system. Further engraving (e.g. Block names) can be included for a modest surcharge.

The model 801 telephones are included as standard for systems up to 20 stations and the model 801P with privacy function for larger systems.

The telephone is manufactured in white high-impact ABS plastic which imparts high durability and complements most wall furnishings. It incorporates a 'lock release' push-button discreetly positioned on the base, and under the handset, to prevent inadvertent use. With its wide handset the model 801 is especially recommended for the elderly.

The Electronic Ringing Tone has a useful safety feature wherein the tone is reduced when the handset is 'off the hook'.





Model VRK4 with extra engraving  
+ Model TRVRK  
4 way system with trade facility



Model VRK8-S  
+ Model TRVRK  
8 way surface system with trade facility

### Ordering Information

Order a model VRK1 for a complete single station system.

For multi-way systems order a model VRK n, where n is the number of stations

e.g. a model VRK14 is a complete 14 station system.

For surface systems add -S to the order code e.g. VRK14-S

For tradesmen entry facility, simply add TRVRK to any given system

e.g. a six station system with trades facility is a model VRK6 + TRVRK

(A model TS2000-BST time clock is included).

*\*Despite the fact that the highest quality of 316 marine grade stainless steel is used in the manufacture of our panels they can still be prone to tarnishing in some coastal locations or in areas of industrial pollution. If in doubt about the suitability of these panels in your area please contact us for advice.*

*belltone door entry  
telephone interface*



The BT1 Telephone interface offers the convenience of operating a door entry system from an existing BT style telephone without interfering with its normal usage. Most domestic tone-dialling telephones are compatible with the BT1 including cordless DECT telephones which are of great benefit to those people with limited mobility.

The interface may also be connected onto many telephone switchboards (PABX) via a dedicated trunk line input, but not an extension connection.

In addition to conversing with a caller at the front door panel the resident may allow them access by operating the lock release directly from their telephone.

#### **Operation**

The BT1 interface appears transparent to the phone line, even if the BT1 is not powered. When a call is made from the entrance panel the telephone will ring for a maximum of 30 seconds. When the telephone is picked up the resident can converse with the visitor and operate the lock release by pressing '1' on the telephone to allow access. Should an external telephone call be received during this operation the resident has the ability to switch between both calls.

#### **BT1 Interface Unit**

The interface is housed in a discreet ABS plastic enclosure which is designed for wall mounting in any indoor location, preferably next to the telephone line and a power point.

Dimensions: H = 230mm, W = 190mm, D = 45mm

## *belltone door entry telephone interface*



Model BL1

For connecting a one button door entry panel to own home telephone including cordless DECT phones

### **Model BT901 belltone entry system**

For a standard domestic application we offer a complete system that includes all the necessary parts to complete an installation.

- model BT1 interface unit
- model SPA1 one button surface panel
- model 61 speech unit
- model 340C 12v DC power supply
- model 203 surface lock release





Model BT901  
complete BT system  
with SPA panel



Model BTBL1  
complete BT system  
with bellini panel



Model BTP1  
complete BT system  
with VRP panel



Model BTDDA1  
complete BT system  
with DDA panel



### Model BTBL1 Belltone entry system

As an alternative for a domestic application we offer a complete bellini system that includes all the necessary parts.

- model BT1 interface unit
- model BLP1 one button surface bellini panel
- model 61 speech unit
- model 340C 12v DC power supply
- model 203 surface lock release

### Model BTP1 belltone entry system

For external areas that may be prone to vandalism we offer a complete VR system that includes all the necessary parts.

- model BT1 interface unit
- model VRP1 one button flush panel (surface optional)
- model 61 speech unit
- model 340C 12v DC power supply
- model 203 surface lock release

### Model BTDDA1 belltone entry system

For an installation that requires attention to DDA regulations we offer a complete system that includes all the necessary parts.

- model BT1 interface unit
- model DDAP1/VR one button flush DDA panel (surface optional)
- model 61 speech unit
- model 340C 12v DC power supply
- model 203 surface lock release



# *dda door entry systems*

*(dda – disability discrimination act)*



These door entry panels and systems are designed to meet the requirements of the final part of the Disability Discrimination Act (DDA). This Act requires service providers and landlords to consider making reasonable adjustments to the physical features of their premises to overcome physical barriers to access.

The DDA stipulates that a disabled person cannot be restricted from gaining access to a site to obtain 'goods or services'. This includes people who use wheelchairs, blind and partially sighted people, deaf people, people with arthritis, people with long-term illnesses and people with learning disabilities. This obviously has an impact on the installation of new and existing Access Control Systems and these issues need to be considered at any Public building.

The Bell DDA range has been designed to address the varying interpretations and to assist compliance with door entry systems in a cost effective manner.

The Bell DDA panels have been designed to address the varying interpretations and compliance with the legislation with regards to door entry systems. All panels are manufactured in 2.5 mm 316 marine grade stainless steel and can be flush or surface mounted.

Each panel has one or more of the following;

**For the partially sighted;**

Each vandal resistant pushbutton has a 'high-visibility' halo ring. Options include permanently illuminated buttons, Braille characters and the connection of a 12V DC tone for indication of lock release operation.

**For the deaf or 'hard of hearing';**

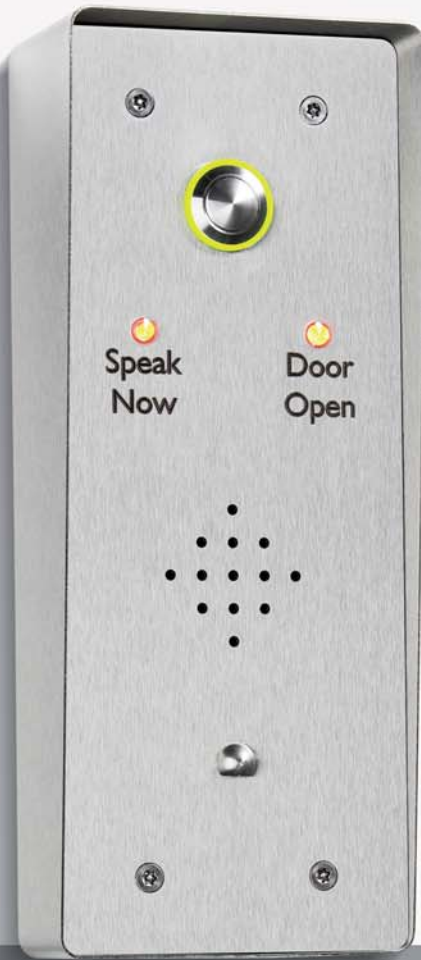
Each panel includes two bright indicator lights; one permanently engraved with 'Speak Now' when a call has been answered, and the other engraved 'Door Open' for when the resident has triggered the lock release. The option of a Panel Inductive Loop is also available.

**For wheelchair users;**

Panels with an extended length can be used that allows operation from both able-bodied and wheelchair users at different heights; the one station panel includes two high visibility 'halo' buttons at differing heights.

**Resident or Employee facilities;**

Added options include; a panel-mount proximity reader for resident or employee access, keypad for resident access, a CCD camera for connection to a video telephone and Tradesmen facilities.



Model DDAP-1/VRS surface panel



Model DDAP-3/VRS surface panel



Model DDAP-6/VRS+Proximity surface panel

Model DDAP-EXT-1/VRS surface panel



**Options;**

**Panel Inductive Loop**

Many door entry specifications now require the inclusion of an inductive loop facility on the door panel for benefit of hearing aid users. The model PANEL-IDL can be included on any of our vandal resistant panels. The weather resistant module is permanently fixed to the rear of the panel with the front being engraved with the internationally recognised symbol.

**Illuminated push-buttons**

These vandal resistant stainless steel pushbuttons are offered as an alternative to the standard high-visibility 'halo' buttons. They are permanently lit with a bright green ring to aid partially sighted visitors.

**Braille**

In addition to the two styles of pushbutton some building specifiers request additional characters in Braille. Braille can be included on any of our vandal resistant style panels with permanent raised steel 'pin-heads'. Any Braille character can be used including numbers and text.

The Bell standard budget DDA systems include audio and video telephones, coded and proximity access.

**1. Standard DDA systems - model DDA/VR**

These are general DDA door entry systems that include;

- DDA panel with 'halo' buttons and indicator lights
- integral speech unit
- 12v DC power supply
- model 801 standard wall-mounting telephones
- model 203 fail-secure lock release





proximity reader



Model DDA1/VR  
1 way system



Model DDA3/VR  
3 way system



Optional illuminated  
vandal resistant button

### Ordering information

Order using model DDA-n/VR where n is the number of stations for systems with a flush panel.

Order using model DDA-n/VRs where n is the number of stations for systems with a surface panel.

e.g. DDA-1/VR is a complete 1 station flush system and DDA-4/VRs is a 4 station surface system

For tradesmen facility, add the code TRDDA (A model TS200-BST time clock is included).

### 2. 'Wheelchair' dual height door entry systems - model DDA-EXT/VR

These single station DDA systems have two call buttons on an extended panel to enable operation from both able-bodied and wheelchair users. Each system includes;

- DDA long panel with two 'halo' buttons and indicator lights
- integral speech unit
- 12v DC power supply
- model 801 standard wall-mounting telephone
- model 203 fail-secure lock release

**Ordering information:** Order using model DDA-EXT-1/VR for a flush system or DDA-EXT-1/VRs for a surface system.

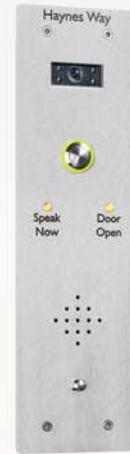
### 3. Combined DDA door entry and proximity systems - model CSP- DDA/VR

These are complete DDA door entry systems that include a proximity access system as a secondary form of access control for resident use. For further information on the proximity system and for extra keyfob packs please refer to the 'combined door entry & proximity systems' section of the catalogue.

# dda door entry systems



Extended Model DDA-EXT-1/VR  
1 way system



Video Model DDA-BS1/VR  
1 way system



Proximity Model CSP-DDA-1/VR/ILL  
1 way system

Each system includes;

- DDA door panel with Paxton compact proximity reader.
- integral speech unit
- 12v DC power supply
- model 801 standard wall-mounting telephones
- model 203 fail-secure lock release
- starter fob pack (includes a 'pack enable' card, 'fail-open' card and 3 user keyfobs and shadow cards)
- full installation and programming instructions

## Ordering information

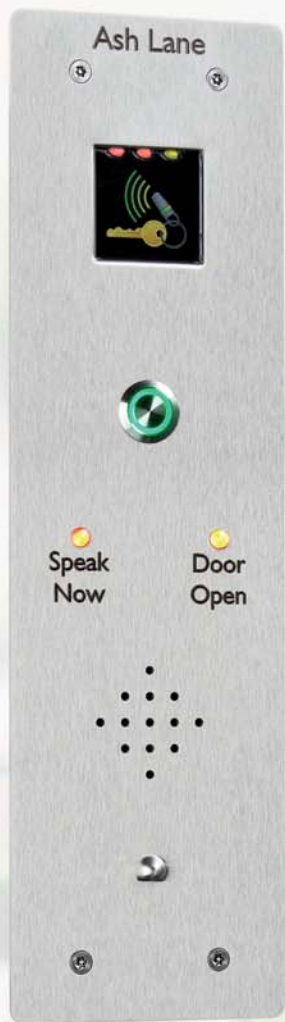
Order using model CSP-DDA-n/VR, where n is the number of stations required

e.g. CSP-DDA-1/VR for a single station system or CSP-DDA-5/VR for five station system

For tradesmen facility, add the code TRDDA (A model TS200-BST time clock is included).

## 4. Combined 'Wheelchair' dual height DDA door entry and proximity systems - model CSP-DDA-EXT/VR

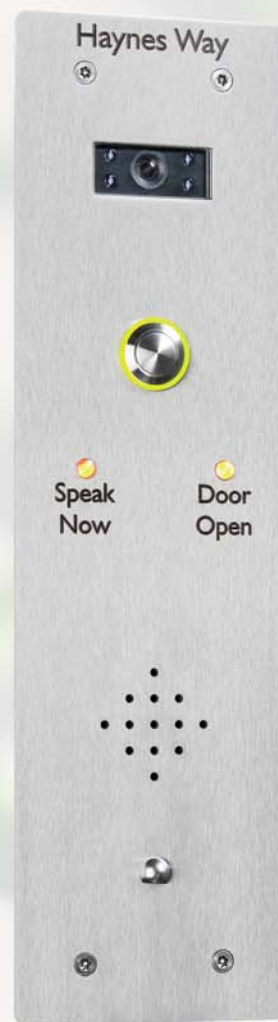
These are complete DDA dual height door entry systems that include a proximity access system as a secondary form of access control for resident use. For further information on the proximity system and for extra keyfob packs please refer to the 'combined door entry & proximity systems' section of the catalogue.



Proximity option with illuminated button



Panel Inductive Loop option with Braille and 'Halo' button



Video option with 'Halo' button



Each system includes;

- DDA extended door panel with Paxton compact proximity reader.
- integral speech unit
- 12v DC power supply
- model 801 standard wall-mounting telephone
- model 203 fail-secure lock release
- starter fob pack (includes a 'pack enable' card, 'fail-open' card and 3 user keyfobs and shadow cards)
- full installation and programming instructions

#### Ordering information

Order using model CSP-DDA-EXT-1/VR for a flush system or CSP-DDA-EXT-1S for a surface system

#### 5. Video DDA door entry systems - model DDA-BS/VR

These are general DDA video door entry systems. For further information on the video system and for extra keyfob packs please refer to the 'combined door entry & proximity systems' section of the catalogue. Each system includes;

- DDA panel with CCD camera and infra-red lamps and indicator lights
- integral speech unit

- 12v DC power supply
- model BS bellissimo standard wall-mounting video telephones
- panel and telephone controllers
- model 203 fail-secure lock release

#### Ordering information

Order using model DDA-BSn/VR where n is the number of stations e.g. DDA-BS1/VR is a complete 1 station video system and DDA-BS4/VR is a 4 station system

For tradesmen facility, add the code TRDDA (A model TS200-BST time clock is included).

*bellissimo colour video  
door entry systems*





The *bellissimo* video door entry system is a versatile security product for controlling access to residential homes, blocks of flats and commercial premises. The video telephone allows the resident to view a caller at the entrance, speak with them and control their access.

The contemporary and stylistic *bellissimo* video telephone has a slim and curvaceous profile complementing most wall furnishings.

The 'soft-touch' silicone rubber push buttons are backlit and have clear operating symbols. The telephone is wall-mounted directly without additional mounting brackets or connectors.

#### **System Features;**

- System generally connected with standard CAT5 cables
- No need for separate co-axial cable
- 3.5" flat screen high resolution LCD colour display
- Ringer mute function and volume control
- High resolution CCD colour day/night camera with infrared lamps
- Timed outputs for fail-safe and fail-secure lock release devices
- Optional Tradesmen facility
- One videophone per call button and up to three extension videophones (more with additional power supplies).
- The model BS *bellissimo* video telephone can be connected to a conventional or digital panel
- Multiple entrances can be supported with the addition of one panel and one door controller for each entrance.

# bellissimo colour video door entry systems



Model BS1  
1 way system



Model BS4  
4 way system



Each standard BS packaged system provides all of the components necessary to install a complete video door entry system. A standard multiway BS system comprises of:

- model BS bellissimo video telephones
- model BSC4 telephone controller (one for every 4 telephones)
- model BSP front door panel and
- relevant BSD panel controller
- model CAMBS-C CCD colour camera with infrared lamps
- model 61 speech unit
- model PS4 12v DC power supplies
- model 203 surface lock release
- full wiring and installation manual

## Ordering information

Order a model BS1 for a complete single station system. For multi-station systems order a model BS n, where n is the number of stations e.g. a model BS8 is a complete 8 station system.

For tradesmen facility add the code TRBS  
(a model TS2000-BST time clock is included).

**Please request a copy of the installation and operation manual prior to installation to ascertain full cable specification.**

## Video telephone controller model BSC4

The model BSC4 interfaces up to 4 video telephones on to the CAT5 distribution and provides line isolation. Each telephone has its own designated port with removable terminal blocks for ease of installation.



Model BS4/VR  
4 way V/R system



Model BLV2  
2 way bellini system



### Door Panel Controllers

Each panel on a system is connected to a door controller for connection to the CAT 5 distribution network and provides all inputs and outputs to the panel including lock output, exit, door monitor etc.;

- BSD1 - one button panels
- BSD8 - two to eight button panels
- BSD72 - nine to seventy two button panels
- BSD-DIG - digital panels

### Model CAMBS-C camera unit

The CAMBS is a solid state day/night colour CCD camera housed in the BSP panel and protected by high- impact strength lexan window. The camera includes high intensity infra-red lamps for illumination of the caller at night.

# *bellissimo colour video door entry systems*



bellini options



V/R options



proximity options



brass options



bellini options

## **Bellissimo video panels:**

### **Standard Aluminium (BSP)**

These aluminium panels are supplied as standard in the BS1 – BS8 systems for surface fitting and are of the same specification as the SPA series of audio panels. A flush-fitting back-box is available on request.

### **Vandal Resistant (BSP/VR)**

Manufactured in 2.5mm marine grade 316 stainless steel these panels are supplied as standard on panels with over 8 buttons but can also

be manufactured for smaller systems if required. All panels are supplied for flush fitting but can optionally be supplied for surface mounting. These panels have the same specification as the standard VRP panels

### **Combined Video and Keypad (CS-BSP)**

A stainless steel keypad is included on these panels for resident' access. The panels are supplied for flush-fitting and with the option for surface mounting. The keypad is connected to the model 200 controller as outlined in the 'bellcode' section.

### **Combined Video and Proximity (CSP-BSP series)**

A panel-mount proximity reader is included on these panels for resident' access. The panels are supplied for flush-fitting and with the option for surface mounting. The features of the compact proximity reader are outlined in the 'combined door entry and proximity' section.

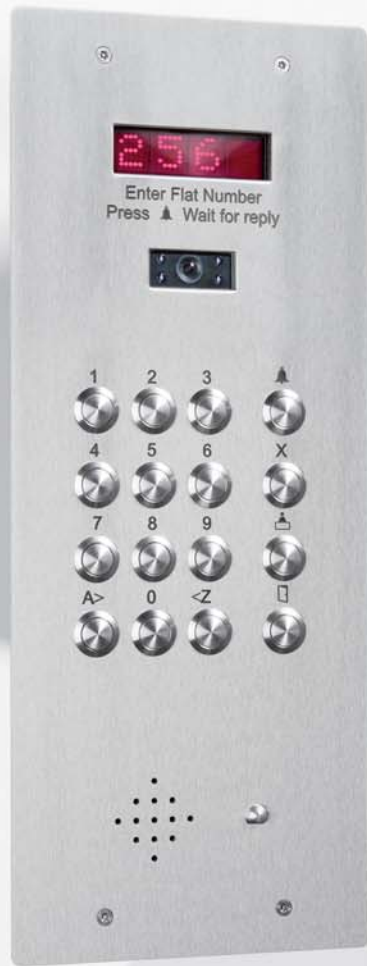
### **DDA compliant (DDA-BSP)**

The DDA panels as outlined in 'dda door entry systems' can also be used for video door entry systems.





combined brass options



digital V/R options



digital LCP options



BSC4 controller



BSD8 controller

### Digital (BSP-DIG)

For large block of apartments a digital panel should be considered. These stainless steel panels give clear and concise user instructions from its bright LED. The LED dot matrix module offers excellent visibility with large red characters. A transparent Lexan window gives maximum protection. Stainless steel vandal resistant buttons are used throughout.

### Concierge Station

The Concierge Station allows visitors to be pre-screened by on-site personnel for enhanced security.

All Video panels can be independently purchased but complete packaged systems are available for most applications.

Please request a copy of the installation and operation manual prior to installation to ascertain full cable specification on all video systems.



concierge station

*the digibell*  
*digital door entry systems*



The Digibell door entry telephone system is designed primarily for large apartment blocks in the private or public housing sector where reliability and serviceability are of prime importance.

The use of a digital entrance panel with keypad and display affords a more compact solution when compared with a standard panel with one button per station which may be impractical due to its size.

**The Digibell system offers two levels of cable isolation;**

- Full or Phone Isolation – between individual dwellings for buildings where vandalism from residents or tenants may be expected.
- Zonal Isolation – between floors or zones for a more cost effective system.

**Standard Features of the Digibell panel and system;**

- Capacity for over 400 apartments and 16 entrances per block.
- Large 4-digit LED display with informative messages e.g. CALL TALK OPEN.
- Alphanumeric apartment numbers e.g. 21A, A21.
- High quality full duplex speech.

- Vandal resistant stainless steel pushbuttons.
- Ring and lock reassurance tones.
- 4-digit coded entry facility for residents or tenants.
- Dedicated Porter/Reception call button.
- Operates from a 12v DC power supply.
- Uses standard CAT5 cables.
- Compatible with standard model 801 telephones .
- Tradesmens facility with access code.

**Optional Features of the Digibell;**

- Choice of Phone Isolation or Zone Isolation.
- Time restricted Tradesmen facility (with model TS200-BST time clock).
- Battery Backup.
- Control equipment supplied in lockable steel cabinets for greater security.
- Compliance with Disability Discrimination Act (DDA).
- Extension tones and Flashing Beacons.
- Firemans Switches.
- Vehicle and Pedestrian Gate Integration.

# the digibell digital door entry systems



Model BS-A

Model 801

Model DBAP/DDA-S

Model DBAP/VR

Model DBAP/LCP

Video option

## Telephone Options:

Telephone Model	Privacy Of Speech	Ring Tone Mute		Door Open Indicator
		Slide Switch	Button with indicator; adjustable mute time	
801	X	X	X	X
801S	X	✓	X	X
801P	✓	X	X	X
801PS	✓	✓	X	X
BS-LX	✓	X	✓	✓

Our standard telephones are suitable for use with the digibell system. Telephones connected to a DBA-4I isolator have privacy of speech inherent in the design and models 801P and 801PS should not be used. All telephones connected to the same DBA-8Z isolator must be the same model. As standard a maximum of two telephones are allowed in each apartment.

The entrance panel should be sited in a semi-sheltered location. All of its electronics are encapsulated in a single module providing protection against environmental conditions.

## Digibell Panels Options

All door panels are manufactured from marine grade stainless steel and have vandal resistant pushbuttons. A 4-digit red LED dot-matrix display is mounted behind a LEXAN window. Both flush and surface fitting panels are available in the standard version and these are also suitable for factory fitting to one of our stainless steel posts. All panels include security screw fixings.



Model DBAP/VR

**Panel Model**

**Description**

DBAP/VR	Flush stainless steel standard digital panel
DBAP/VRS	Surface stainless steel standard digital panel
DBAP/DDA	Flush stainless steel DDA digital panel with halo buttons
DBAP/DDA-S	Surface stainless steel DDA digital panel with halo buttons
DBAP/LCP	Flush stainless steel digital 'Laser Cut' digital panel

Proximity Fob readers can optionally be integrated into any of the digital panels. We can either supply the panels with the reader or just include the cut out and studs for retrofit.

**System and Panel Controllers**

Each digital controller requires its own controller and telephones are connected to the system with a choice of two isolator controllers.

**Part No.**

**Description**

BSD-DIG	Digital door controller (1 required for each digital panel)
DBA-4I	4 way phone isolator (1 required every 4 apartments)
DBA-8Z	8 way zone isolator (1 required every 8 apartments)

An example of the parts required for a typical system;

- One block of 32 flats with one entrance
- 32 - model 801 telephones
- 1 - model DBAP/VR digital panel
- 1 - model BSD-DIG panel controller
- 4 - model DBA-8Z isolator controllers
- 1 - model PS4 12v DC power supply
- 1 - model 203 lock release

Digital systems with bellissimo colour video telephones or bellfree colour apartment stations are also readily available. Please contact our sales department for further information and for parts lists.



*bsx & dax isolating exchange  
door entry systems*



### **BSX (Bell System Exchange) and DAX Digital Isolating Door Entry Systems**

The BSX and DAX door entry systems are designed to overcome a common problem experienced in local authority and public housing where door entry systems are subject to vandalism from visitors and tenants. These systems operate on the Line Isolation principle which has two advantages over common-wired systems:

- Any malicious damage sustained to an individual telephone or its associated cable will not affect the operation of the rest of the system.
- The telephone conversation between the tenant and the caller is totally private.

Each system includes Tradesmen/Service entry, a battery standby facility and timed lock output (failsafe and failsecure) as standard. The central exchange unit with diagnostic LED's simplifies maintenance and any part is easily exchanged with readily available spares.

# bsx isolating exchange door entry systems



Model LCP7



BSX8 Cabinet



Model 801

Model BS-LX

## The BSX control unit

The BSX control equipment is housed in a secure lockable steel IP55 rated cabinet and can include the following:

- Isolating fused PCB removable connectors for the telephones.
- A model TS2000-BST 7 day quartz reserve time clock for trades access.
- Regulated PSU with isolation switch.
- A control PCB for each entrance providing timed output for door releases (failsafe and failsecure), output tones and inputs for trades buttons.
- A 12V 7A/H battery when battery standby is specified.

- Optional access control e.g. Proximity controllers.
- Adjustable lock, ring and talk times.

Four BSX Control units are available;

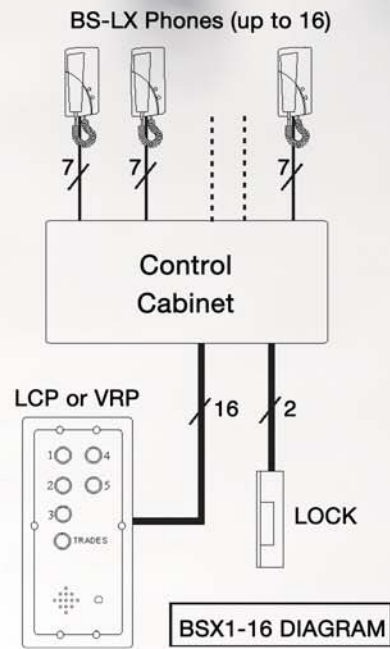
BSX8	8 station single door
BSX8-2	8 station two door
BSX16	16 station single door
BSX16-2	16 station two door

## Telephones

Any of our standard telephones may be used with the BSX exchange. Each telephone connected to the BSX control will have 'privacy of speech' due to the line isolation. To achieve full 'line-isolation', the telephones must be individually cabled directly to the control unit. The standard model 801 telephones can be used for economy but the model BS-LX is highly recommended due to its added functions.

Telephones must be rung and answered before the lock can be released. A stuck unlocked button is ignored.





### Front door panels

The model VRP and model LCP panels are recommended for use with the BSX system due to their resistance to vandalism.

### Reassurance tone

A reassurance to the visitor that a call has been made and to indicate when the lock release has been operated.

### Tradesmen facility

The facility for a time-restricted entry for tradesmen is included on the BSX control. The operation of the Trades push-button will only trigger the door release when the time clock within the BSX control is set to an ON period.

### Electric lock release

The BSX control provides an outputs for both failsecure and failsafe lock releases (including magnetic locks).

# dax isolating exchange door entry systems



Model DPX-VR

Model DPX-LED

DAX32 Cabinet

Model 801

Model BS-LX

The DAX digital system operates on the Line Isolation principle which has two advantages over common-wired systems;

- Any malicious damage sustained to an individual telephone or its associated cable will not affect the operation of the rest of the system.
- The telephone conversation between the tenant and the caller is totally private.

## System features;

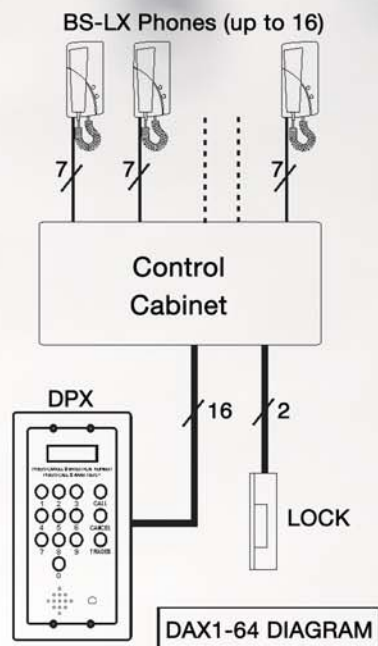
- up to 256 flats
- up to 4 entrances
- large LED dot matrix display
- 4 digit alpha-numeric flat numbers
- 4 digit coded access facility
- trades facility
- porter facility (optional)
- standby battery backup
- outputs for fail safe and fail secure releases

## Model DAX exchange control

All the control equipment is installed in one or more IP55 rated secure lockable steel cabinets. Each control contains one or more of the following components;

- All necessary control equipment
- 8 way Relay PCB's for connection of telephones
- Model TS2000-BST 7 day quartz reserve Time Clock for trades access
- 12v DC 5A power supply with standby facility
- optional 12v 7A/H lead-acid battery

The control has LED diagnostics and Test modes for commissioning and maintenance purposes



### Model DPX-LED Front Door Panel

The front-plate consists of an overlapping bezel and a removable plate cut by a laser from the same sheet of 2.5 mm 316 marine grade stainless steel. This leaves a gap of just 0.35 mm rejecting implements that could be used to force the panel from its box.

The bezel is securely welded to a back-box of 1.5 mm 316 grade stainless steel. This provides an extremely strong fixing to the wall. The removable plate is fixed to the bezel and back box with countersunk A2 stainless steel security bolts requiring the use of a specialist tool for their removal (supplied).

The LED dot matrix display module offers excellent visibility with large red characters. A transparent LEXAN window gives maximum protection from vandals. Stainless steel vandal resistant push-buttons are used throughout. Clear operating instructions are engraved on the panel in black.

**For economy, the standard Model DPX-VR can also be considered.**

Options can include cutouts for a Video camera and Proximity.

### Telephones

Any of our standard telephones may be used with the DAX exchange. Each telephone connected to the DAX control will have 'privacy of speech' due to the line isolation. To achieve full isolation, each telephone station must be individually and directly cabled to the DAX control. However, the system is able to operate in partial isolation mode commonly referred as 'zone isolation' for more economic cable installation.

The standard model 801 telephones can be used for economy but the model BS-LX is highly recommended due to its added functions.

A blurred photograph of a hand holding a keychain with a proximity card and a key, overlaid with the text "combined door entry and proximity systems". The background is a light, out-of-focus surface. The text is centered and written in a lowercase, sans-serif font.

*combined door entry  
and proximity systems*



It is common for a door entry telephone system to be combined with a proximity access system to allow easy access by residents, tenants or staff.

Distributors have sourced products from two manufacturers but now two Great British manufacturers have combined their leading products to offer an outstanding integrated access control system. The inclusion of an exclusive Paxton compact standalone reader on door entry panel allows authorised personnel free entry to the building by means of a keyfob whilst visitors' access can be controlled by the Bell System door entry telephone.

The proximity system is the ideal access control solution in situations where no central programming or reporting is required. Validating and voiding of users is achieved with a unique shadow card system, and all system programming is performed with the easy to use function cards. All packaged systems include a starter pack of keyfobs and additional keyfobs can be purchased as required.

### **Paxton Compact panel Mount Reader**

This compact panel-mount reader is manufactured by Paxton Access for exclusive use in Bell System door entry systems. It is mounted on the rear of the panel by four secure threaded studs and nuts and protected on the front by a Lexan window. The proximity compact reader contains all the electronics inside the reader, from which come three cable pairs connecting to the power, electric release and, optionally, an exit button. The lock output is fail-secure by default with a timed lock output set at 5 seconds. Alternatively, the fail-open card (included in the starter keyfob pack) can be used to change the lock output to operate a fail-safe lock

# combined door entry and proximity systems



Starter Keyfob Pack



## Starter Keyfob Pack

Each CSP system includes a starter keyfob pack consisting of;

- One Enrolment card
- Three Proximity user keyfobs
- Three user shadows
- One fail-open release card

Additional keyfob packs can be purchased as required.

The full Function Card Pack can be considered for further features or functions.

## Keyfob Packs

A 'shadow card' system is used for ease of management and the keyfobs are supplied with a wallet for storing the shadow cards.

When installing the system the Starter keyfob pack is added by presenting the Enrolment card from that pack. Subsequent packs are added by presenting the original Enrolment card followed by the Enrolment card from the new pack. Further configuration is done using the other cards in the pack

**Door open time card:** Sets the amount of time the lock is energized for.

**Fail open release card:** Presenting this card reverses the operation of the lock output to make it suitable for operating a fail open release. Presenting this card again reverts operation to the default.

**Silent operation card:** Disable the sounder in the reader. Presenting this card again enable the sounder.

Each keyfob is packaged with a corresponding shadow card. Once installation of the system is complete all user cards are valid and ready to be issued. Keyfobs are available in packs of 10, 25, 50 or 100 users. Proximity Function Card Pack – model 820-000.



Model CSP1  
1 way system



Model CSP6/VRS  
6 way system



The starter keyfob pack included in the system is sufficient to get the system started and in many installations no further features or functions are required. However, the full function card pack allows the more advanced features of the proximity system to be utilised including zoning with three differing coloured fobs and timing options.

### CSP Standard Front Door Panels (7 buttons maximum)

These panels are similar to the standard audio SPA style panels and are manufactured from 3 mm anodised aluminium with an integral grill protecting the speech unit. The compact proximity reader is protected by a Lexan window.

As standard, the panels are supplied with a low-profile surface mounting box moulded in black. Alternatively, the panels can be supplied with a flush fitting zintec back-box and vandal resistant bolts. The largest available panel has 7 buttons and thereafter the vandal resistant style should be used.

### CSP Vandal Resistant Front Door Panels (any size)

The vandal resistant panels are manufactured from 2.5 mm 316 marine grade stainless steel. Panels are flush mounted and fixed to the back-box by tamper proof bolts (a special key is required to remove the panel). Optionally, the panels can be supplied with stainless steel housing for surface mounting.

A single model IP68 stainless steel vandal resistant button is provided for each flat and the option of one for Tradesmen. The engraving of flat numbers is included in the price of each system. Further engraving (e.g. Block names) can be included for a modest surcharge.

## combined door entry and proximity systems



Model CSPP1



Model CSPP1/VRS



Model CSPP2/VRS



Model CSPP4

### CSP Series proximity systems

These systems are conveniently packaged with all necessary components to complete an installation including a starter pack of keyfobs. Additional packs of keyfobs can be purchased to the required number.

A standard CSP series system comprises of;

- model 801 standard wall telephones
- model CSP aluminium door panel with compact proximity reader. (Panels above 7 buttons are vandal resistant).
- model 61 speech unit
- 12v DC power supply
- model 203 surface lock release

- starter keyfob pack (includes an 'enrolment' card, a 'fail-open' card and 3 user keyfobs and shadow cards)
- full installation and programming instructions

### Combined video systems

The convenient range of packaged systems can also include video telephones. These systems include;

- model BS bellissimo video telephones
- model CSP stainless steel vandal resistant style panel with colour CCD day/night camera
- compact proximity reader

- model 61 speech unit
- relevant video controllers
- 12v DC power supply
- model 203 surface lock release
- starter keyfob pack (includes an 'enrolment' card, a 'fail-open' card and 3 user keyfobs with their shadow cards)
- full installation and programming instructions





V/R option



Video option



Bellissimo  
Video Telephone



Model PAX-2 reader in  
flush V/R housing



Model PAX-2-S reader  
in surface V/R housing

### Model PROX-REAR Rear door Paxton proximity system

This kit includes all the basic components to achieve proximity access at a single door. This system is ideal for giving proximity access at the rear door when a complete model CSP system has been installed at the front entrance.

This PROX-REAR system comprises of;

- stainless steel panel with compact proximity reader and flush back-box (surface option available)
- 12v DC power supply
- model 203 surface lock release
- starter keyfob pack (includes an 'enrolment' card, a 'fail-open' card and 3 user keyfobs with their shadow cards)
- full installation and programming instructions

### Ordering information:

#### Standard CSP systems

Order using CSP-n, where n is the number of stations  
e.g. CSP-1 for a one station CSP-2 for two stations

#### Vandal Resistant CSP systems

Order using CSP-n/VR, where n is the number of stations  
e.g. CSP-1/VR for a one station CSP-10/VR for ten stations  
For surface use /VRS

### Video CSP systems

Order using CSP-BSn/VR, where n is the number of stations  
e.g. CSP-BS1/VR for a one station CSP-BS10/VR for two stations  
For surface use /VRS  
For tradesmen facility us ethe code TRCP  
(A model TS2000-BST time clock is included)

### Additional keyfobs;

No. of fobs in Pack = Code

10 = 820-010G 25 = 820-025G 50 = 820-050G 100 = 820-100G

*bellcode coded access systems*



These bellcode access control systems are high quality versatile security product controlling access through doors by means of a digital keypad and electric lock release. The use of a separate controller ensures that no amount of tampering with the keypad will undermine the system's security. For convenience the system is programmed from the keypad and offers a wide range of useful functions.

The secure model 200 controller may be programmed with up to ten unique codes. If a valid code is entered on the keypad, the lock release will operate for a preset duration. The controller may be programmed to operate an audible alarm under various circumstances and disable, the lock output if necessary. The access codes and other programmable parameters are retained indefinitely without power.

The keypads have a green and red LED to indicate the system status to the user; the green indicates that the lock release is operating, whilst the red LED indicates an invalid entry or alarm condition.

#### The model 200 Controller

The model 200 controller is housed in a stylish and discrete plastic box. Security is further enhanced by placing the controller in a secured area. This arrangement provides a superior level of security when compared to many combined keypad/controllers in the market. Programming is easily achieved by entering a 'security code' and then a sequence of simple codes at the keypad.

The main features are;

- Ten access codes (programmable from 1 to 8 digits).
- Timed lock outputs for fail-secure and fail-safe lock releases.
- All functions are stored in a protected non-volatile 'EEPROM' memory. The access codes and other programmable parameters are retained indefinitely without power.
- Provisions for a 'push to exit' egress switch input.
- Space for an extra model 201 control PCB for second door and keypad
- Additional programming functions include;

Lock duration	(1 - 99 seconds)
Lock delay time	(0 - 99 seconds)
Alarm duration	(1 - 99 seconds)
Key limit	(0 - 99 keystrokes)
Code entry time limit	(0 - 99 seconds.)
Duress access mode	

Dimensions: H = 230mm, W = 185mm, D = 45mm

## *bellcode coded access systems*



Model 218 keypad

### **Model 218 bellcode keypad**

The bellcode 218 keypad is a slim-line touch sensitive keypad with no moving parts (uses Piezo technology) designed for operation in all environments. It is manufactured in aluminium and anodised for complete weather protection. The electronics are potted making the keypad waterproof and rated at IP68. Each push-button is clearly defined and a re-assurance tone is available to indicate a positive key-stroke. A green and a red LED are included to indicate operational status.

Dimensions: H = 103mm, W = 66mm, D = 20mm



Model 216 keypad

### **Model 216 stainless steel keypad**

The keypad and push-buttons are manufactured in a high grade 316 stainless steel and is ideal for sheltered external locations. The back-box is a robust alloy casting which is aluchromed and then powder coated for maximum protection.

The keypad is fixed to the box with Allen type security bolts. It is recommended for most sheltered environments. A green and a red LED are included to indicate operational status.

Dimensions: H = 135mm, W = 90mm, D = 30mm



Model 217 keypad

### **Model 216F flush stainless steel keypad**

A flush mounting keypad supplied with a metal flush back box. It is of identical design to the standard 216 keypad but has larger overall dimensions to ensure an adequate overlap.

Dimensions (mm):

Keypad H = 141mm, W = 95mm

Flush box H = 117mm, W = 71mm, D = 25mm



Model CK200 one door system



Model CK109 one door system



Model CK110 one door system



### Model 217 slim-line keypad

This keypad is manufactured in similar fashion to the 216 but has two columns of 6 keys (instead of 3x4) in order to produce a slimmer product suitable for door frames.

Dimensions: H = 132mm, W = 40mm, D = 27mm

Complete boxed systems, ideal for the both distributor and installer;

### Model CK200 coded access system

- model 218 Touch sensitive slim-line keypad
- model 200 boxed controller
- model 340C 12v DC power supply
- model 203 standard rim lock release

### Model CK109 coded access system

- model 216 stainless steel surface keypad
- model 200 boxed controller
- model 340C 12v DC power supply
- model 203 standard rim lock release

### Model CK110 coded access system

- model 217 stainless steel slim-line surface keypad
- model 200 boxed controller
- model 340C 12v DC power supply
- model 203 standard rim lock release



*cs109 combined door entry  
and coded access (secure)*



A frequent requirement for a door entry system is the facility of a coded access system. This allows residents, tenants or staff the means to enter to the building by the operation of an integral keypad at the main entrance panel.

The CS109 are combined door entry and coded access systems utilising a panel mounted stainless steel keypad. The system has an independent, secure controller and therefore can be considered when a high level of security is necessary. It is available from a single station system up to any number of telephone stations. However, the keypad feature is available on any of our door entry systems and can be included with vandal resistant VRP or LCP style panels, video and brass panels.

The CP109 keypad may be programmed with up to ten unique access codes. If a valid code is entered on the keypad, the lock release will operate for a preset duration. The keypad has one green LED and one red LED to indicate the system status to the user: the green LED indicates that the lock release is operating, whilst the red LED indicates an invalid entry. There are ten user access codes and a wide range of programmable functions.

## cs109 combined door entry and coded access (secure)



Model CS109-1  
1 way system



Model CS109-4  
4 way system

### Model 200 controller

This controls access to one door by means of the stainless steel keypad on the front door panel and is housed in an attractive and discreet plastic box. The programming is easily achieved by entering a security code and a sequence of simple codes at the keypad. The controller has ten codes available each of which can be 1 to 8 digits. Please refer to the Coded Access Control section for a list of features and programmable functions.

### Model CP109 Front door panels

The standard panel is attractively designed and manufactured in 3 mm brushed anodised aluminium. It has an integral robust stainless steel keypad of similar design to the model 216 keypad and should be sited in a sheltered location. The panel has a push-button for each telephone station and can be supplied for surface or flush-mounting up to 7 buttons and in vandal resistant up to any size. These panels can also be manufactured in stainless steel or and include a camera for connection to the bellissimo video entry systems.

### A CS109 series systems comprise of

- model 801 wall mounting telephones
- model CP109 aluminium door panel with stainless steel keypad
- model 51 speech unit
- model 200 independent boxed controller
- model 340C power supply
- model 203 surface lock release
- full installation and programming instructions





V/R option



Brass option



CS 109 Series Combined Coded Access & Door Entry Panel Dimensions  
CP109-1 to CP109-7 and CP109-1F to CP109-7F

Panel	Flush Panel (F)					Surface Panel		
	Panel (mm)		Backbox (mm)			Backbox (mm)		
	H	W	H	W	D	H	W	D
CP109-1	270	83	259	73	35	288	100	43
CP109-2	370	83	359	73	35	388	100	43
CP109-3	370	83	359	73	35	388	100	43
CP109-4	370	83	359	73	35	388	100	43
CP109-5	470	83	459	73	35	488	100	43
CP109-6	470	83	459	73	35	488	100	43
CP109-7	470	83	459	73	35	488	100	43

**Ordering information**

Order using model CS109-n, where n is the number of stations required e.g. CS109-1 for a single station system or CS109-12 for a 12 station system.

For tradesmen facility append the code TRCS.

(A model TS2000 time clock is included).

Sizes above 7 buttons are vandal resistant.

Panel dimensions are approximate and may change without notice.

*cs106 combined door entry  
and coded access (standalone)*



The CS106 are combined door entry and coded access systems utilising an economic C106 standalone keypad module. These can be considered where a low level of security is deemed to be adequate. Should a high level of security be necessary then the CS109 combined systems should be used.

The C106 keypad may be programmed with up to ten unique access codes. If a valid code is entered on the keypad, the lock release will operate for a preset duration. The keypad has one green LED and one red LED to indicate the system status to the user: the green LED indicates that the lock release is operating, whilst the red LED indicates an invalid entry. There are ten user access codes and a wide range of programmable functions.

Two panels are available the CP106 (SPA style) with a maximum of 7 buttons and the BL106 (bellini style) with a maximum of 6 buttons. For larger systems the CS109 combined systems should be used.

The C106 standalone keypad may be programmed with up to ten access codes of between 1 to 8 digits. The extra codes are provided for multi-user application or for timed restricted access (additional time clock required). The keypad has both fail secure and fail safe lock outputs and an exit facility from a remote push-button. Other programmable features include lock duration and lock delay time.

The access and user programs are stored in a protected non-volatile EEPROM memory and all programmed features are retained indefinitely without power.

# cs106 combined door entry and coded access (standalone)



Model CS106-1  
1 way system



Model CS106-4  
4 way system

## Model CP106 front door panels

These panels are similar to the SPA style panels and are manufactured from 3 mm anodised aluminium. They should be sited in a position that is protected from adverse weather conditions. They are available for either surface or flush fitting. The C106 keypad module is designed to complement the panel, push-button and surface box in a contemporary style. The module has outputs for both failsafe and failsecure lock releases and connection for an exit button.

The largest available panel is of 7 buttons and the CS109 series should be considered on any larger system.

## Standard combined system – CS106 series

Each systems comprise of;

- model 801 wall mounting telephones
- model CP106 aluminium door panel with integral keypad module
- model 61 speech unit
- model 340C power supply
- model 203 surface lock release
- full installation and programming instructions

### Ordering information

Order using model CS106-n, where n is the number of stations required e.g. CS106-1 for a single station system or CS106-5 for five station system. For tradesmen facility append the code TRCS (A model TS2000-BST time clock is included).

CS106 Standalone Door Entry & Coded Access Combined Panel Dimensions  
CP106-1 to CP106-7 and CP106-1F to CP106-7F

Panel	Flush Panel (F)			Surface Panel				
	Panel (mm)	Backbox (mm)		Backbox (mm)				
	H	W	H	W	D	H	W	D
CP106-1	270	83	259	73	35	288	100	43
CP106-2	370	83	359	73	35	388	100	43
CP106-3	370	83	359	73	35	388	100	43
CP106-4	370	83	359	73	35	388	100	43
CP106-5	470	83	459	73	35	488	100	43
CP106-6	470	83	459	73	35	488	100	43
CP106-7	470	83	459	73	35	488	100	43

Sizes above 7 buttons are not available – see CS109 page 74  
Panel dimensions are approximate and may change without notice.



BLP106 series



### Model BLP106 surface front door panels

These new stylish panels can be considered as an elegant alternative to the traditional CP106 panels. These surface mounted panels are manufactured from anodised aluminium with a contemporary design and profile. The largest available panel is of 6 buttons and the CS109 series should be considered on any larger system. Panel dimensions are given in the bellini panel section of the catalogue.

### Bellini combined system – BL106 series

Each systems comprise of;

- model 801 telephones
- model BLP106 aluminium door panel with integral keypad module
- model 61 speech unit
- model 340C power supply
- model 203 surface lock release
- full installation and programming instructions

### Ordering information

Order using model BL106-n, where n is the number of stations required

e.g. BL106-1 for a single station system or BL106-5 for five station system

For tradesmen facility append the code TRBL (A model TS2000-BST time clock is included).



## door entry components and accessories



### Posts

The mounting of an entrance panel on a post is often required for a variety of applications e.g. for buildings where a wall mounting panel is not suitable or for entrances to car parks.

The posts are manufactured from polished stainless steel and are designed to accommodate surface vandal resistant panels of all sizes. The posts have a stainless steel pedestal welded to the base with fixing holes pre-drilled.

All posts are supplied with surface vandal resistant panels pre-fitted and cable entries pre-drilled. Select the appropriate post and order together with the chosen panel design. The panels can be multi-button, video, digital or combined with proximity or coded keypad.

Please contact the Sales Department for guidance on suitable panel designs.

Code	Description	Height mm
CHP1	Car Height Post	1200
PHP1	Pedestrian Height Post	1600
DHP1	Dual Height Post - Pedestrian / Car	1600 / 1200
DHP2	Dual Height Post - HGV / Car	2000 / 1200

Post Width: 80mm



#### Model TS2000-BST

12V quartz reserve time clock with auto British Summer Time settings.

The TS2000-BST time clock has the facility of automatically adjusting to European/British time settings. Once the user has programmed the date the clock will automatically adjust each spring and autumn. This digital timer is purpose made for access control systems as it operates from a supply voltage of 12v AC/DC. The clock is designed for wall-mounting and its main features are;

- Automatic European Time adjustment
- 12V AC/DC operating voltage
- LCD display
- Quartz crystal timing with reserve
- Daily and weekly programs
- 7 day programming
- 8 on/off periods
- 15 repeat options: day, week, weekend, odd weekdays etc.
- manual override
- switching capacity 10A/30V DC

Dimensions: H = 98mm, W = 66mm, D = 40mm



#### Speech unit model 61

This compact unit is fitted to the entrance panel on all our current door entry systems (except as indicated below). The unit provides two-way speech and has an individual volume control for both microphone and speaker. This universal product can be powered from either 12V AC or 12V DC depending on the model of telephone used.

Dimensions: H = 97mm, W = 58mm, D = 24mm



#### Speech unit model 51

This unit is generally required as a replacement unit for older systems or for SPA panels above 10 buttons. The unit provides two-way speech and has an individual volume control for both microphone and speaker. This universal product can be powered from either 12V AC or 12V DC depending on the model of telephone used.

Dimensions: H = 136mm, W = 81mm, D = 30mm



#### Extension sounders

These units extend the call tone of a door entry telephone to other areas of the premises to improve audibility. The unit is fabricated in white ABS plastic and can be wall mounted in a convenient indoor location. Available models;

Model RT27 for extensions to the standard 801 telephones

Model BS-RT for extensions to the bellissimo telephones

Dimensions: H = 120mm, W = 90mm, D = 38mm



#### Sound Generator and extension tone model SG1

Like the models above this unit provides an extension of the call tone on a door entry telephone. In addition to an output of 80 dB at one metre it has 8 user selectable tones.

The unit can be triggered either from a 12 Volts source or from a switch.

Dimensions: H = 120mm, W = 90mm, D = 38mm



#### Flashing beacon model FB31

This unit gives an effective visual indication of a call at the door entry telephone. This unit is ideal for the 'hard of hearing' or areas with a high level of background noise.

The beacon includes a timer circuit that can be set for between 4 and 40 seconds. (A model 212 power supply may be required).

Dimensions: H = 113mm, W = 80mm, D = 60mm



#### Flashing beacon model BS-FB (bellissimo)

This unit gives an effective visual indication of a call at the bellissimo door entry video telephone. This unit is ideal for the 'hard of hearing' or areas with a high level of background noise.

Dimensions: H = 113mm, W = 80mm, D = 60mm



### Exit Switch model 5077 and model 5077L (LED indication)

These switches are typically used in an access control system to release the door upon exiting in the absence of a manual lock release. The model B24S stainless steel push-button is incorporated and is designed for heavy use.

Dimensions: H = 110mm, W = 60mm, D = 34mm



### Exit Switch (flush mounting) model 5078

An alternative style exit switch with the panel manufactured in 2.5 mm 316 marine grade stainless steel and designed to fit a standard single-gang back-box. The panel is permanently engraved and includes a model B24S vandal resistant push-button designed for heavy use.

Plate Dimensions: H = 100mm, W = 100mm

Back-box dimensions: H = 75mm, W = 75mm, D = 45mm



### Exit Switch (miniature surface mounting) model 5080

This slim-line surface fitting exit switch is manufactured in a robust alloy casting and has universal graphic symbols and is perfect for architrave fitting. The switch is rated at 3A with 12v – 24v.

Dimensions: H = 83mm, W = 32mm, D = 25



### Fire Switch (Flush) model FS1-F

Flush mounting stainless steel Fireman's Drop-Key Switch with security fixings and permanently engraved with FIRE CONTROL.

Dimensions: Plate H = 150mm, W = 150mm

Box H = 107mm, W = 107mm, D = 65



### Fire Switch (Surface) model FS1-S

Surface mounting red powder coated Fireman's Drop-Key Switch with stainless steel plate and security fixings, permanently engraved with FIRE CONTROL.

Dimensions: H = 115mm, W = 115mm, D = 72



### Lock Releases

The standard lock releases are designed to operate with night latch locks on timber framed doors. Each release is fabricated from a variety of materials;

- Main mechanism - plated zinc
- Latch - chrome-plated mazac zinc alloy.
- Faceplate - epoxy painted steel
- Side cover - stainless steel

Model	12V AC	12V DC	Surface	Mortice	Fail-Secure	Fail-Safe	Continuously Rated	Monitor Switch	Delayed Action	Heavy Duty
202	✓	✓	✓		✓					
203	✓	✓	✓		✓					
204	✓	✓		✓	✓					
205	✓	✓	✓	✓	✓				✓	
206		✓	✓	✓		✓	✓			
209		✓	✓	✓	✓		✓			
210	✓	✓	✓	✓	✓					
2208	✓	✓		✓	✓					✓
2208 M	✓	✓		✓	✓			✓		✓
2208 F		✓		✓		✓	✓			✓
2208 FM		✓		✓		✓	✓	✓		✓

Standard Release Pressure: withstands up to 300 Kg of impact (breakdown at 600 Kg)

Heavy Duty Release Pressure: withstands up to 500 Kg of impact (breakdown at 1000 Kg)

### Power Supplies



#### Model 212 (12v AC)

A wall-mounting, double insulated, fused transformer included in basic audio door entry systems up to 10 stations. It has a nominal output of 12v AC @ 1A. Compliant with EN60950.

Dimensions: H = 140mm, W = 60mm, D = 53mm



#### Model 225 (12v AC)

A wall mounting, double insulated, fused transformer for use with door entry telephone systems. This supply incorporates a relay for the direct operation of the lock release to overcome possible voltage drop on larger systems. It has a nominal output of 12V AC @ 2 Amps. Compliant with EN60950.

Dimensions: H = 110mm, W = 235mm, D = 80mm



#### Model 340C (12v DC)

A wall-mounting fused 12v DC regulated power supply rated at 1.5 Amp for use on DC door entry systems and our Access Control systems. It can also be used for directly powering failsafe and continuously rated lock releases. Compliant with EN60950.

Dimensions: H = 140mm, W = 60mm, D = 53mm



#### Model PS4 (12v DC)

A wall-mounting fused 12v DC regulated power supply rated at 4 Amps for use on video entry systems and for powering high current door release mechanisms.

Compliant with EN60950. Dimensions: H = 110mm, W = 235mm, D = 80mm



bell  
system



bellcall emergency call system

# bellcall emergency call system



Model BC-10



Simple identification label replacement



Model BC-04

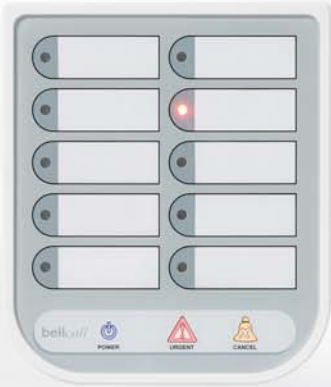
The Bellcall is a versatile emergency call system which lends itself to a multitude of applications in a number of different markets. Although these systems are typically installed in care and nursing homes there are other market sectors that have emergency call systems installed;

- Care Homes • Nursing Homes • Private Hospitals and Hostels
- Housing, Employment and Benefit offices • Interview Rooms
- Doctor Surgeries and Medical Centres • Disabled Toilets
- Leisure, Fitness, Health, Spa and Beauty Centres
- Police Stations • Remand Centres • Immigration Centres

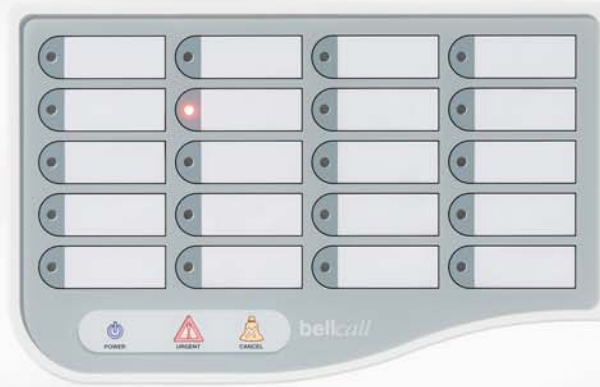
The Bellcall emergency call system allows individuals, be they patients, residents or staff, to initiate an alarm call in order to obtain assistance. An indicator panel will alert an attendant by sounding an alarm and by illuminating an LED lamp. Each Lamp has a nameplate label to identify the caller or room. The call is generally cleared by attending the room where the call originated and by resetting the callpoint. Calls can be made from either a wall-mounted callpoint, a ceiling pull switch or a pendant (pear-drop) switch.

## Some of the features of the Bellcall system;

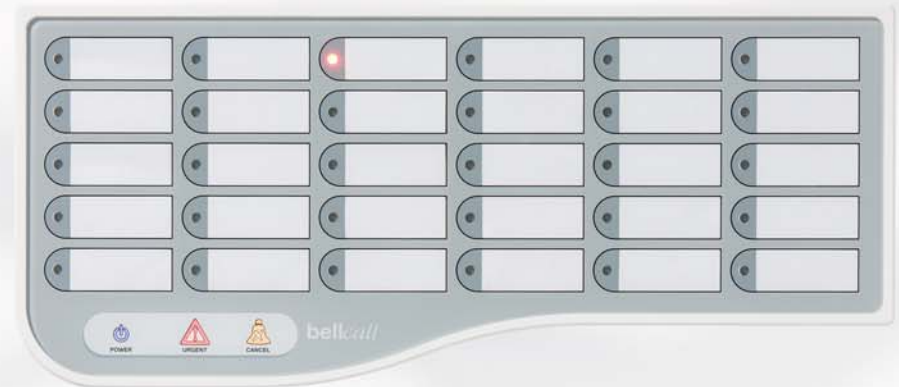
- Manufactured in the UK.
- Hard-wired; standard alarm cable or CAT5.
- Call point units fit standard single or double gang electrical boxes (surface or flush).
- Operates on 12v DC with optional standby battery.
- Two call levels; standard or emergency with differing alarm tones.
- Call reset using pushbutton and/or magnetic key
- Alarm Tone mute.
- External alarm relay.



Model BC-10



Model BC-20



Model BC-30



**POWER**



**URGENT**



**CANCEL**

### Indicator Panels

There are four models of indicator panel available; 4-zone, 10-zone, 20-zone and 30-zone. Up to four indicator panels (10, 20, 30-zone) can be connected together to give a maximum of 120 zones on one system.

The 10, 20 and 30-zone panels are of a contemporary style in white with grey contrasting background to aid identification of the caller. These Indicator panels are designed for surface fitting onto any convenient wall to maximise visibility for the attendants. The panels have touch-sensitive buttons for the attendant functions such as alarm mute.

The 4-zone panel (model BC-04) is an attractively designed, compact unit which can be flush or surface-mounted onto a double gang electrical box.

The 10, 20, 30-zone panels all have replaceable strips which can be printed with a description of the alarm zone, or for example a patients name or a room number. This flexible system allows the attendants to make regular changes without damaging or marking the panels.

### Each panel has three back-lit symbols;

Power	Blue	Power On
Urgent	Red	Flashes in response to an Emergency Call
Cancel	Amber	Flashes in response to a standard Alarm (also press to mute)

Model	Description	Dimensions
BC-04	4-zone indicator panel	85 x 145 x 35 mm
BC-10	10-zone indicator panel	180 x 160 x 35 mm
BC-20	20-zone indicator panel	180 x 290 x 35 mm
BC-30	30-zone indicator panel	180 x 420 x 35 mm

### Call Point Units

All call points fit standard surface or flush fitting single gang electrical boxes. Any number of call points can be can be wired into a single zone. There are essentially three types of callpoint models available, each available with or without a jack socket; the jack socket is for the connection of a pendant switch also commonly known as a 'pear push' switch:

**Standard Call Point** – generates standard calls.

**Emergency Call Point** – generates emergency calls. Commonly used in Care Homes.

**Alert Call Point** – allows a user-generated standard call or an alert call by staff in order to call for assistance. Commonly used in Nursing Homes and Hospitals.

All call points offer two methods of Call Reset which are selectable at installation;

<b>Button Reset</b>	For general use
<b>Magnetic Key Reset</b>	For use generally in Nursing Homes to prevent patients or the caller cancelling their call.

Model	Description	Dimensions
BC-CP	Standard Call Point	85 x 85 x 35 mm
BC-CPJ	Standard Call Point with Jack Socket	85 x 85 x 35 mm
BC-EP	Emergency Call Point	85 x 85 x 35 mm
BC-EPJ	Emergency Call Point with Jack Socket	85 x 85 x 35 mm
BC-AP	Call Point with Alert	85 x 85 x 35 mm
BC-APJ	Call Point with Alert with Jack Socket	85 x 85 x 35 mm



Model BC-CP



Model BC-CPJ



Model BC-EP



Model BC-EPJ



Model BC-AP



Model BC-APJ

### Standard range of peripherals and accessories



Model BC-PD2  
Model BC-PD3



Model BC-CS



Model BC-OD (illuminated)



Model BC-ODS



Model BC-K10  
Model BC-K50

#### Pendant switch **BC-PD2 and BC-PD3**

A hand-held switch typically used for patients in bed or seated on a chair. The switch has been ergonomically designed for comfort and has a reassurance light when operated. If the lead is inadvertently removed from its socket on the call point a call will automatically be generated. Two models are available one with a 2 metre lead and one with a 3 metre lead.

#### Over-door light **BC-OD and BC-ODS**

These lights are typically installed in corridors outside rooms or wards to indicate when a call has been generated. Up to 4 zones can be combined to cover common areas. Two model are available; a standard model and a model that includes a sounder.

#### Ceiling pull switch **BC-CS**

Ceiling pull-switches provide auxiliary call points within a room. These switches are surface mounted and are typically installed in bathrooms or toilets. They are supplied with two red triangles to aid pulling the cord; one for standing use and one for prone use. A red re-assurance light illuminates on the ceiling unit when a call is made.

#### Magnetic reset keys **BC-K10 and BC-K50**

All call points can be reset using either a Push-Button or a Magnetic Key. These bright yellow keys are typically required in care and nursing homes, to prevent the patient from cancelling their call. The keys are supplied in packs of 10 or 50 each with a key ring.

Model	Description	Dimensions
BC-PD2	Pendant Switch with 2m lead & jack	140 x 40 x 20 mm
BC-PD3	Pendant Switch with 3m lead & jack	140 x 40 x 20 mm
BC-CS	Ceiling Pull Switch	85mm diam. x 25mm
BC-OD	Over-door indicator light	85 x 85 x 45 mm
BC-ODS	Over-door indicator light with sounder	85 x 85 x 45 mm
BC-K10	Magnetic Reset Keys (pack of 10)	60 x 15 mm
BC-K50	Magnetic Reset Keys (pack of 50)	60 x 15 mm

#### Power supply requirements

The system is powered by 12v DC power supplies only;

Model 340C	12v 1.5A for basic systems
Model 640	12v 1A battery backup supply
Model PS4	12v 4A for system with more than 10 Over-door lamps
Model 840	12v 4A battery backup supply