Bell System (BSTL) BS-LX

Terminals
I   Call
R   Speech Out (Mic)
O   Common
T   Speech In (Speaker)
Z   Lock
V   + 12VDC
L   Door Contact

IMPORTANT NOTE :

1) Before replacing the handset make note of the wires to each terminal on the existing unit (an easy way is to cut each core off leaving a piece of the insulation in place with colour visible) twist unused cores together (so you know they are not used, <u>do not</u> short them out).

2) Some older systems will have cable with one coloured core and a solid white core in this case mark each core with a marker or tape.

3) Some systems may have <u>loop on wiring</u>, you will have 2 cables into your handset (make sure any joins remain, as these may be serving other flats on the system).
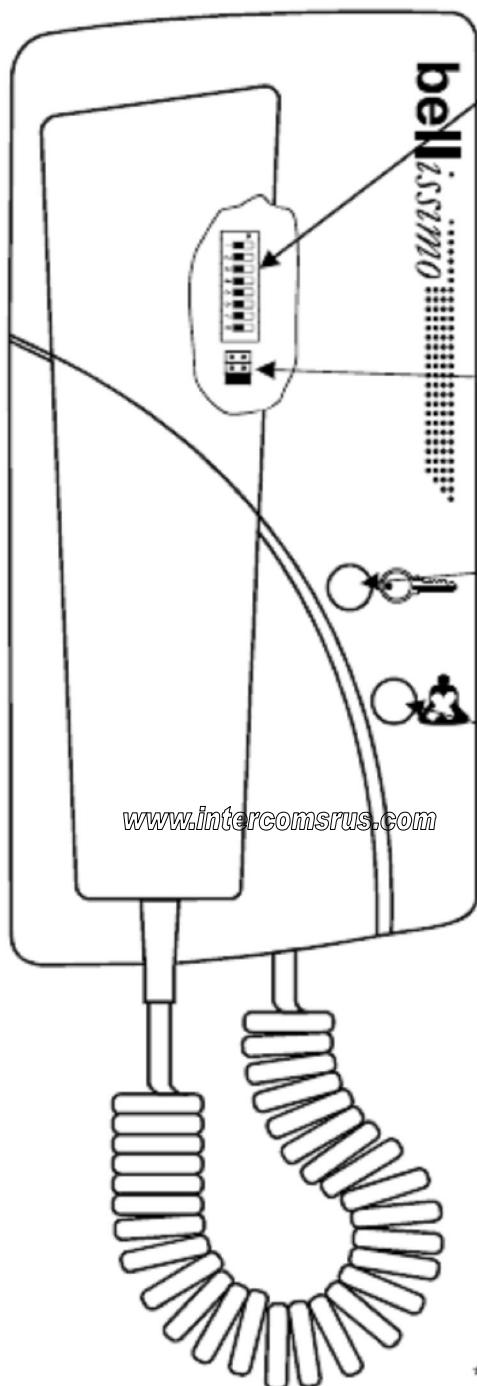
Setting Handset Up

BS-LX 12V DC Audio Phone

DIP Switch Settings

Ring Type(1)		Ringer Mute Times(5,6,7,8)			
[1]	Min. Period	[5678]	No Mute	[567│]	1 hour
[Q]	Short	[T678]	2 mins	[T67│]	2 hour
Door Monitor(2)		[5y78]	5 mins	[5Y7│]	4 hour
[2]	N/C	[TY78]	10 mins	[TY7│]	5 hour
[W]	N/O	[56U8]	15 mins	[56U│]	6 hour
Unlock Time(3,4)		[T6U8]	20 mins	[T6U│]	8 hour
[er] 1S	[E4] 3S	[5YU8]	30 mins	[5YU│]	10 hour
[3R] 5S	[34] 10S	[TYU8]	45 mins	[TYU│]	Toggle

Ring Volume (3 Levels)

Unlock button
and Door Status Indicator
(green)

Buzzer Mute button
and Ring Status Indicator
(red)

Compatible with*
500X, 500PX, 500XT, 500LX, 500PLX, 500PLXT Phones

*Assumes recommended cable type and distances.

bell
system

PD-123 Issue 1

Wiring Diagram
Single Entrance DC Call

To more flats

Typical
Wiring

2nd
Flat

I
R
O
T
Z
V
L

BS-LX

www.intercomsrus.com

Door Panel

3

2

1

Common Strap

1st
Flat

I
R
O
T
Z
V
L

BS-LX

Electrical Cupboard

www.intercomsrus.com

Speech
Unit
51/61

T
O
R
H
C
+

–

+

340C
Power Supply

Name
Lamp
(optional)

Trades
Button
(optional)

Fail Secure

203, 204
Lock Release

Door
Contact

–
+
CO
NO
NC

TS2000-BST
Time Clock
13:44
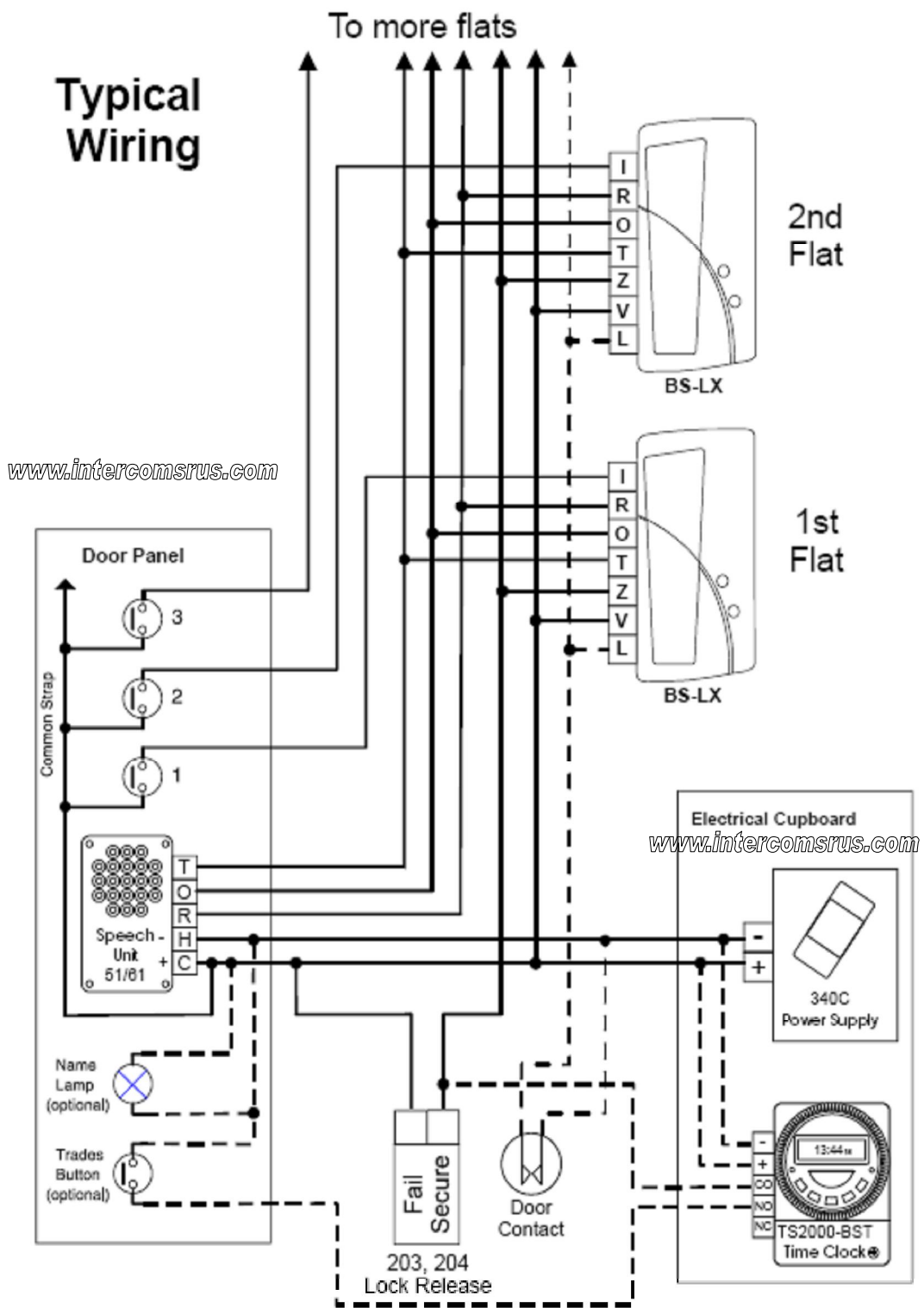
Wiring Diagram
2 Entrance DC call with 59S Switcher

Phone
I R O T Z

Distance to the Lock release:

25m - 0.5mm dia. CW1308
100m - 1.0mm² Twin and Earth

www.intercomsrus.com

340 Power Supply

I R O T Z

59S
Telephone Selector
SET TO DC

I R O T Z

www.intercomsrus.com

Speech Unit 51/61
+ C H R O T

Entrance Panel

Speech Unit 51/61
+ C H R O T

Entrance Panel

203/204 Lock Release

NC COM NO
Model 89
12V DC Relay
COIL

www.intercomsrus.com

COIL
Model 89
12V DC Relay
NC COM NO

203/204 Lock Release

Wiring Diagram
2 Entrance System DC Call (M719S Switcher)

DIAGRAM 2: WIRING DIAGRAM FOR 2-DOOR ENTRYPHONE SYSTEM

M719S SWITCHING UNIT AND DC TELEPHONES

DC

Models 801*, 801S*, 801P*, 801PS*, 500D, 500PD, 500X, 500PX, 500LX, 500LXT, 500PLX, 500PLXT

TELEPHONES

DC PHONE *2

DC PHONE *2

I R O T Z U L

I R O T Z U L

R O H Z U L

TO ADDITIONAL TELEPHONES

*1 TIME CLOCK MUST HAVE AN ISOLATED CONTACT

*2 U AND L CONNECTED ON 500LX, LXT, PLX, PLXT

NO L CONNECTION ON 500X AND 500PX

NO V OR L CONNECTION ON 801*, 801S*, 801P*, 801PS*, 500D, AND 500PD

* CURRENT 801 SERIES PHONES ARE AC/DC COMPATIBLE, OLDER PHONES MAYBE AC ONLY.

ENTRY PANEL 1

ENTRY PANEL 2

DOOR 1

DOOR 2

DOOR MONITOR SWITCH (OPTIONAL)

ELECTRIC LOCK RELEASE (ALTERNATIVE)

EXIT

203/ 204

286

MS1

DUAL SPEECH AMPLIFIER

CHROT

CHROT

SPEECH

DOOR ENB SU AMP

REM. LOCK B LOCK SECR

LOCK SAFE

EXIT

DOOR 1

DOOR 2

M719S SWITCHING UNIT

12V AC

12V DC

PHONES

CH

B

+

X R O H Z U L

M440

12V DC PSU

+

TIME CLOCK (OPTIONAL)

12V

+

*1

TS2000

PUSH BUTTONS

COMMON STRAP

ADDITIONAL TELEPHONE

TRADE (OPTIONAL)

PUSH BUTTONS

COMMON STRAP

ADDITIONAL TELEPHONE

TRADE (OPTIONAL)