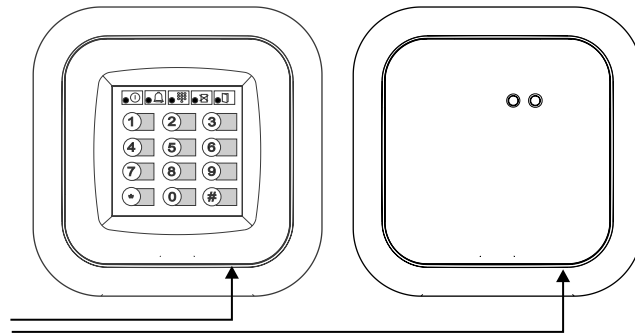# Installation and User Instructions for S674/5/6/7 Readers

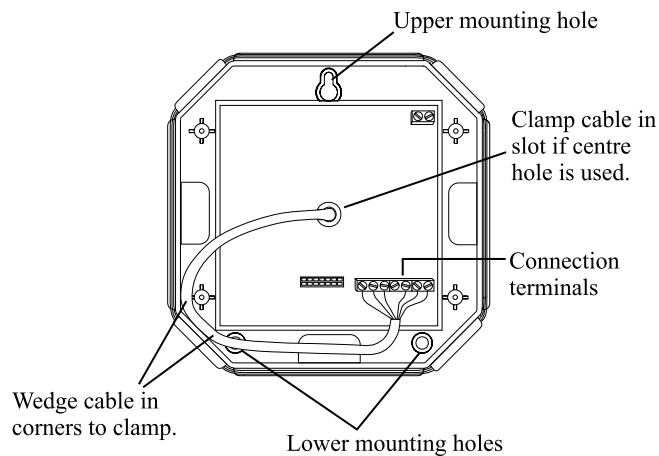## 1 - Mounting the Reader

S675/677   S674/676

A) Remove the bezel by inserting a small screwdriver at this point and levering upwards. Protect the front cover at the lever point with paper or card to prevent damage.
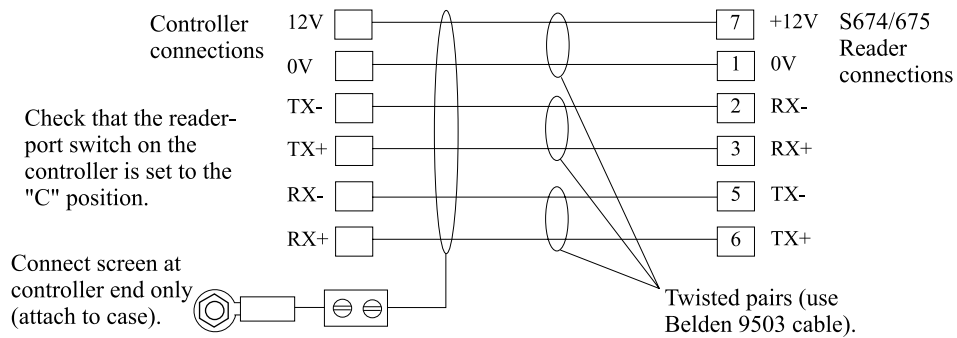
B) Lift off the front cover by removing the four screws.

C) Mount the base box. One or two cables need to be fed through the base box:

• The cable from the controller.

• A cable from a Remote Interface Module (RIM). A RIM can reduce cable lengths to door furniture. See the RIM instructions for connection details.
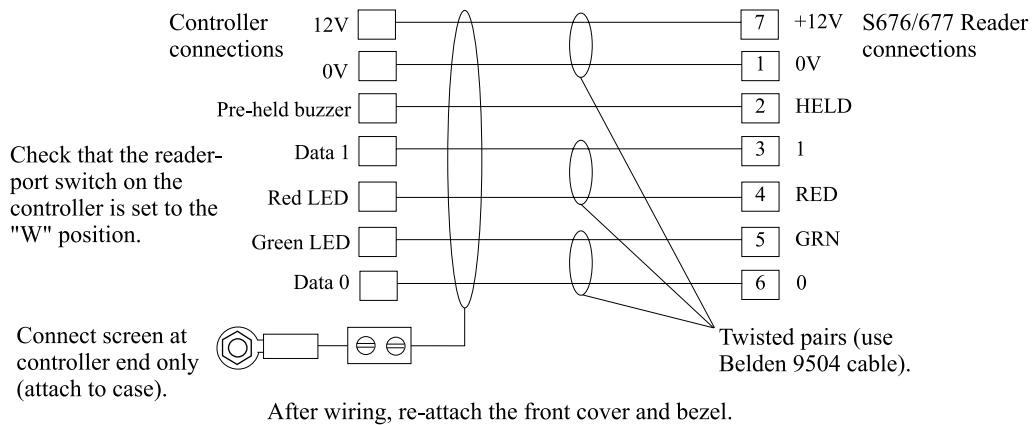
Upper mounting hole

Clamp cable in slot if centre hole is used.

Connection terminals

Wedge cable in corners to clamp.

Lower mounting holes

2 - Connecting an S674/675 (20mA) Reader to the Controller

Controller connections

Check that the reader-port switch on the controller is set to the "C" position.

Connect screen at controller end only (attach to case).

Controller			Reader
12V		7	+12V
0V		1	0V
TX-		2	RX-
TX+		3	RX+
RX-		5	TX-
RX+		6	TX+

S674/675 Reader connections

Twisted pairs (use Belden 9503 cable).

After wiring, re-attach the front cover and bezel.

3 - Connecting an S676/677 (Wiegand) Reader to the Controller

Controller connections

						S676/677 Reader connections
12V				7	+12V	
0V				1	0V	
Pre-held buzzer				2	HELD	
Data 1				3	1	
Red LED				4	RED	
Green LED				5	GRN	
Data 0				6	0	

Check that the reader-port switch on the controller is set to the "W" position.

Connect screen at controller end only (attach to case).

Twisted pairs (use Belden 9504 cable).

After wiring, re-attach the front cover and bezel.

4 - Using the Reader

Present the card face-on to the reader until you hear a "bleep" The maximum read range is approximately 23cm (9"). **Note:** cards can be presented in rapid succession - there is no need to wait for the green or red LED to extinguish before presenting another card.

About the Reader LEDs

Colour	Icon (S675/677)	Meaning
GREEN		**Access granted** - When this LED is lit, the lock is released and you may open the door.
RED		**Access denied** - This is lit if you do not have access rights to gain entry, or if the reader could not read your card (in this case, move the card away, then present it again).

LEDs Available Only on the S675/677:

Flashing amber (PIN LED)		If the amber LED flashes, enter your PIN. If you make a mistake, the red LED is lit for a moment, then the flashing amber prompts you to try again.
Red Alarm LED		These auxiliary LED indicators can be configured to operate in conjunction with conditional commands.
Green Switch LED		