

Technical Support **01273 811011****support@paxton.co.uk**

Technical help is available: Monday - Friday from 07:00 - 19:00 (GMT)
Saturday from 09:00 - 13:00 (GMT)

Documentation on all Paxton products can be found on our website - <http://www.paxton.co.uk/>

Fitting**Reader covers**

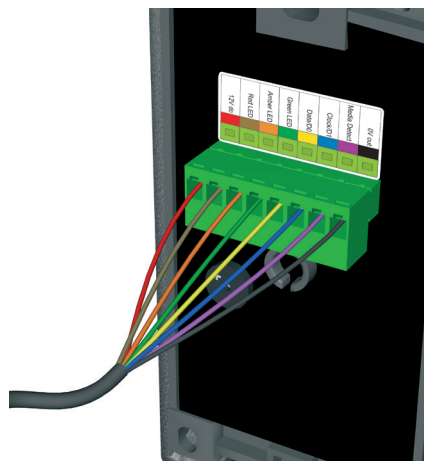
Additional covers are available in black, white, grey, blue and silver. Registered installers can order these free of charge by logging onto the secure installer extranet: <http://paxton.info/1035> or if you are not a registered installer please call us on: **01273 811011** for more information.

P75 Screw connector option

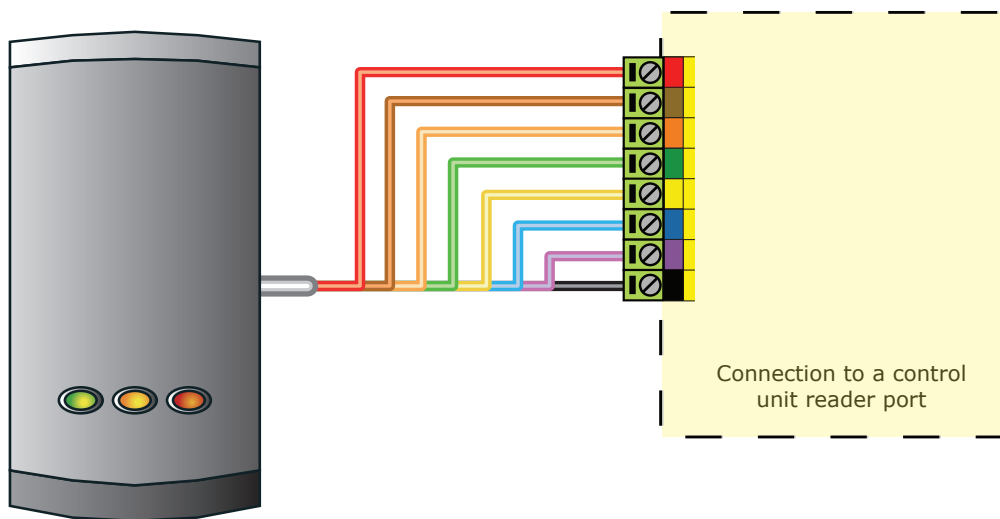
The unit should be mounted in conjunction with an electrical backbox to achieve the required clearance for the connector.

If an adaptor plate (310-750) is fitted, the mountings on the backbox can also be used.

Indoor use only



Wiring



WHITE labelled control units provide 5V at the Red terminal. The Red power wire for the reader should therefore be directly connected to the 12V supply terminal.

Cable extensions

Readers can be extended using Belden CR9540 10-core overall screened cable to a maximum of 100 metres.

Connection modules



Reader junction box (325-020)

This module can be used to provide a connection point for the reader RJ45 plug. The terminals on the module are then wired colour for colour to the controller.

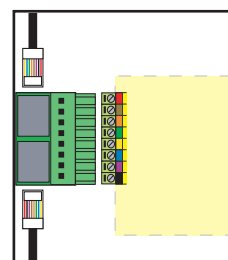
Alternatively, the reader can be wired directly into the screw terminals of the control unit by first cutting off the RJ45 plug and stripping back the wires in the cable.

Reader port module (325-030)

This module may be purchased separately to speed up the installation and replacement of readers.

The reader port module is designed to convert the standard reader ports on Switch2 and Net2 controllers to accept one or two RJ45 connections. Pull off the screw terminal block from the reader port and simply replace it with this module.

Further information on how to purchase Installer Tools is available at:
<http://paxton.info/841>



Technical Help

Here is the list of topics about this product that receive the most technical support enquiries. We list them here to help you speed up the installation and trouble shooting process.

1 - Readers/Keypads not working.

- Software settings - Confirm that the settings of the reader or keypad are correct.
- Connections - Check the wiring and integrity of the connectors. If possible, test this reader on the other port.
- Extended cable - Belden 9540 should be used up to a maximum of 100 m. Twisted pair alarm cable should not be used. To confirm that an extended reader cable is not at fault, wire the reader directly to the port.
- Supply voltage - Confirm that the voltage is within specification. (see table)
- User token - Confirm that the user token used for testing is OK by presenting it to a known working reader.
- Interference - Confirm whether the reader works when tested 'in hand' and not mounted on the wall. PROXIMITY readers should not be mounted back to back or close to other RF devices.

2 - Readers / Keypads - Extending cable.

Only Belden CR9538 / 9540 can be used for cable extensions. CR9538 8 core up to 25 m, CR9540 10 core for 25-100 m (maximum). With CR9540, the two additional cores should be used to double up the power.

3 - Net2 - Using a door reader as a desktop reader.

It is possible to configure a door reader to operate as a desktop reader:

- 1 - Select the doors menu in the left hand Net2 pane.
 - 2 - Click on the door you wish to change the reader to act as a desktop reader.
 - 3 - Under the relevant reader tab, change the reader operating mode to 'Desktop Reader'.
 - 4 - The PC displays 'Would you like to accept desktop reader events from this reader at the PC?' ; click 'Yes'
- Now when you present a blank or existing token to that reader it will allow you to add this new token or edit the existing one.

NOTE: Remember to return the operating mode to the original setting once the cards have been read or users will not be able to gain access through the reader.

KP Reader - Ensure that Keypad type is set to 'None', otherwise the Desktop reader option will not be available.

4 - Net2. Two readers into one reader port.

Two readers can be wired in parallel. - Colour for Colour. This can be useful in situations such as a barrier where dual height readers are required; one for cars, one for lorries.

5 - Net2. What to do if a user has no access - Check the reader LED's when a card is shown.

- No LED's - the reader has no power.
- No change in display - try the card on a known working reader. If there is still no response, replace the card.
- Green LED flashing when a card is presented; check relay 1 LED to check for activity and also the lock wiring.
- Red LED is flashing when a card is presented; check the validity of the user at the PC.
Check user's access level and ensure they should have access by clicking on Current Validity.
Check the 'Expires end' date and confirm this has not past.
- Reinstate the ACU from the doors screen. Select the ACU's you wish to reinstate and then click OK.

Suitability

Security-sensitive doors



Mounted on metal surface



Wet environments



Readers mounted together

300 mm
between
readers

Specifications			
Electrical	Min	Max	
Voltage	10V DC	14V DC	
Current		120 mA	
Carrier frequency			125 kHz
Clock and data bit period			600 µs
Environment	Min	Max	
Operating temperatures - all items	-35 °C	+66 °C	
Waterproof - Fixed cable	IPX7		Outdoor use
Waterproof - P75 - Screw connection			Indoor use
Cable length			5 metres
Dimensions	Width	Height	Depth
P38	38 mm	78 mm	13 mm
P50	50 mm	100 mm	15 mm
P75	75 mm	143 mm	16 mm
Read Range	Token	Keyfob	Hands Free Token
P38	60 mm	40 mm	850 mm
P50	80 mm	50 mm	1100 mm
P75	100 mm	60 mm	1500 mm

Contents in box			
PROXIMITY P Series reader			
White clip on cover			
Black clip on cover			
Documentation			
Option		Qty	Description
Fitting Kit P38	fk1-060	3	No 4 x 3/4 in pozi pan self tapping screw - zinc
		3	22 mm Wall Plugs
		1	3 x 8 mm pozi pan self tapping screw - zinc
		5	Cable clips
Fitting Kit P50	fk1-059	3	No 6 x 3/4 in pozi pan self tapping screw - zinc
		3	22 mm Wall Plugs
		1	3 x 8 mm pozi pan self tapping screw - zinc
		5	Cable clips
Fitting Kit P75	fk1-061	3	No 8 x 1 in pozi pan self tapping screw - zinc
		3	35 mm Wall Plugs
		1	3 x 8 mm pozi pan self tapping screw - zinc
		5	Cable clips

This product is not suitable for retail sale. All warranties are invalid if this product is not installed by a competent person.

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The declaration of conformity is available on request. Contact details are provided at: <http://paxton.info/596>