▼Paxton

Technical Support
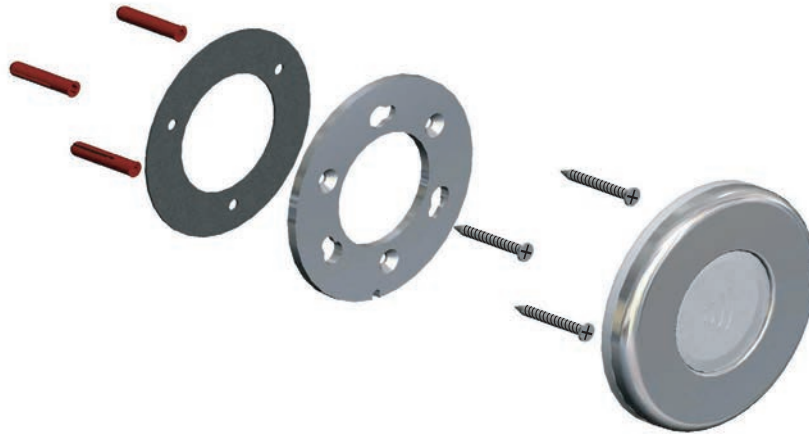
☏ 1.800.672.7298   @✉ supportUS@paxton-access.com

Technical help is available: Monday - Friday from 02:00 AM - 8:00 PM (EST)

Documentation on all Paxton products can be found on our web site - http://www.paxton-access.com/

For instructions in alternative languages - http://paxton.info/1000

Mounting

Fix the backplate to the wall with the stainless steel screws provided in the fitting kit. The small slot in the plate edge should be positioned at the bottom.
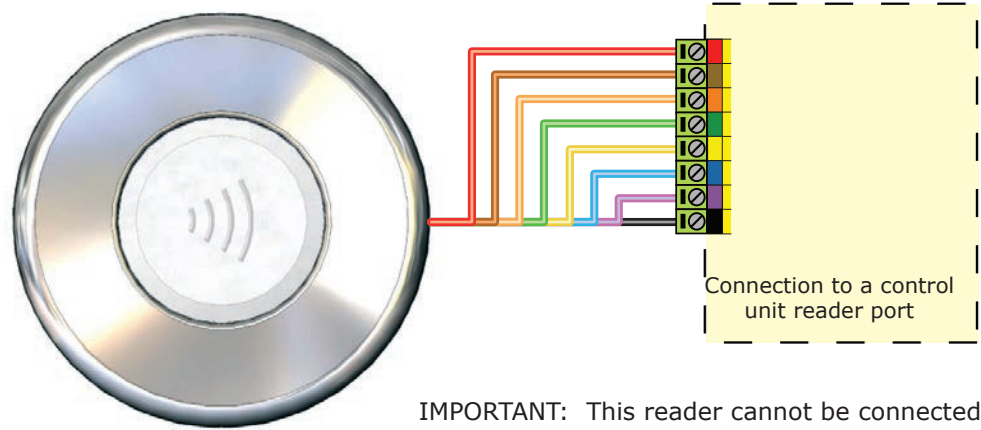
Where the reader is to be fitted to a smooth surface, bulkhead, etc. a gasket is supplied to provide a weatherproof seal between the back plate and the mounting surface. (The reader has its own integral seal)

Locate the reader in the keyhole slots provided in the back plate. Make sure that the locking pin is close to the slot in the edge of the backplate. Rotate the reader clockwise until the locking pin engages in the slot.

To remove the reader, insert a small screwdriver into the cut out provided and use it to lift the locking pin. The reader can then be rotated anticlockwise to release it from the backplate.

Wiring

Connection to a control unit reader port

IMPORTANT: This reader cannot be connected in parallel with other readers and keypads.

LED indications

The marine reader has NO Amber LED indication.

Blue - Normal mode (waiting for card)
Green flashing - Access Permitted
Red flashing - Access Denied
Card + PIN - Not supported

Switch 2 - Colour zoning. With only a single colour indication available, active/barred colour zones cannot be displayed. The reader retains the display selected by the previous user card. Presenting a valid card leaves the reader green, presenting a card for a disabled colour zone leaves the reader red.

Connection modules

Reader junction box (325-020-US)

This module can be used to provide a connection point for the reader RJ45 plug. The terminals on the module are then wired color for color to the controller.
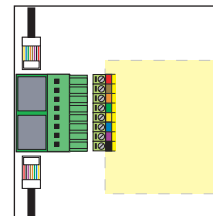
Alternatively, the reader can be wired directly into the screw terminals of the control unit by first cutting off the RJ45 plug and stripping back the wires in the cable.

Reader Port Module (325-030-US)

This module may be purchased separately to speed up the installing 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

Cable extensions

Readers can be extended using Belden 9538 8 core or General Cable C0744A overall screened cable to a maximum of 500 feet.

Backlight dimming card

The backlight on the unit may be dimmed down or turned off if required. A dimming card is provided with this unit.

Present this card within 2 minutes of powering up the reader and the backlight (blue) will reduce in brightness. Repeated presentations will reduce the brightness in stages down to no illumination. Showing the card again will return the backlight to full power.

Specifications			
Environment	Min	Max	
Operating temperatures - all items	-35 °C (-31 °F)	+70 °C (+158°F)	
Waterproof		IPX7	Outdoor use
Cable length			15 feet
Electrical	Min	Max	
Voltage	10V DC	14V DC	
Current		220 mA	
Carrier frequency			125 kHz
Clock and data bit period			600 μs
Read Range	Token	Keyfob	Hands Free Token
	1 $^1/_2$"	1"	15"
Dimensions	Diameter	Depth	
	4"	$^5/_8$"	

Product compliance and limitations

Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), local codes, and the authorities having jurisdiction.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.