



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>

Suitability

Security sensitive doors 

Wet environments 

Compatible with hands free tokens 

Readers mounted together **12 inches**
between readers

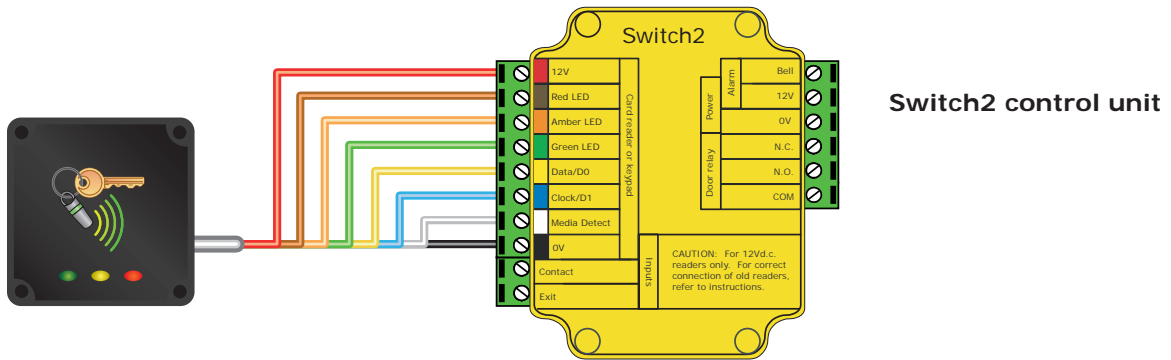
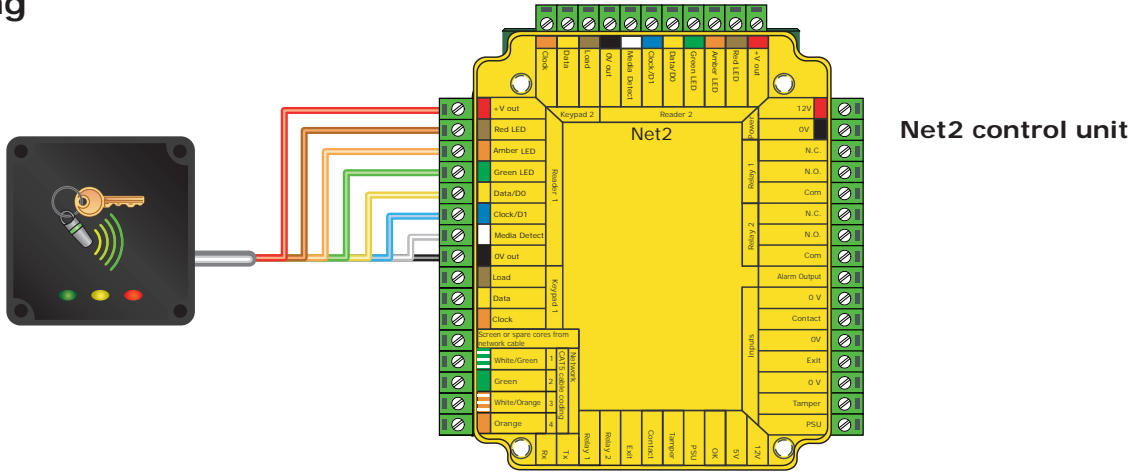
Mounting



This reader is designed to read Paxton Tokens (Hitag2) and EM4100 tokens.
It will provide Clock and Data output for Paxton (Net2 / Switch2).

Options	
Part number	Description
390-135-US	PROXIMITY panel mount reader

Wiring



Cable extensions

Cable Specification		
Use	Max length	Type
Reader / Keypad	500 feet	8 core, shielded - Belden 9538, Alpha 1298C (22AWG) General Cable C0744A / C0745A (22AWG)

Parts Kit	
	Description
Not required	Reader fits to studs on customer facia

Reader installation and test

The panel mount reader is designed to fit into a door entry panel. It fits behind a reader aperture of industry standard size (40 mm x 40 mm) and is supplied with a polycarbonate window to match. See front page for fitting detail.

Holes are provided in each corner to fit over 4 posts set in a 49 mm square formation. Fixings are not provided as they will normally be supplied with the panel.

When powered up, the reader will beep and all the LED's should display. Presenting a user card to the reader will cause the LED's to briefly change to a single Green or Red LED.

Check the following FAQs section for assistance if any problems are encountered.

Maintenance

Following the completed installation of this equipment, no further maintenance or testing is required.

It is advisable to ensure that any third party backup power supplies or recovery procedures are checked regularly to ensure that the operation of the Paxton system is not compromised.

Product compliance and limitations

To comply as a UL listed installation, the following conditions must apply: -

Server based functions (Antipassback, Time and Attendance, etc) have not been evaluated by UL and cannot be used for UL 294 installations.

The use of Wiegand readers and the configuration software has not been evaluated by 'UL'

Wiring: - Where an equivalent cable / wire is used it must be ' UL Listed '
All interconnecting devices must be UL Listed.

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

For CAN/ULC-S319 installations, terminals, leads and wiring methods must comply with CSA, C22.1, Canadian electrical code, Part 1, safety standards for electrical installations.

The use of any add-on, expansion, memory or other module manufactured or supplied by the manufacturer's representative will invalidate the CAN/ULC-S319 certification.

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.

Technical Help

Here is the list of topics about this product that receive the most technical support inquiries. 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.
- Cable - 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. Ensure PROXIMITY readers are not mounted back to back or that there is no interference from other RF devices.

2 - Net2. What to do if a user has no access - Check the reader LEDs when a card is shown.

- No LEDs - 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 'Valid Until' date and confirm this has not expired.
- Reinstate the ACU from the doors screen. Select the ACU's you wish to reinstate and then click OK.

3 - Switch2 - Adding an additional card pack.

You need to be in possession of the original enrolment card. Present the original enrolment card to the reader and the Amber LED will flash, Green & Red LEDs will be off, then present the Enrolment card from the new card pack; the reader will beep and all LEDs will be lit. The additional cards will now be valid. Repeat this with each reader and with any additional card packs. Any valid enrolment card can be used to add further packs. This is the same for enrolling function card packs onto a system.

4 - Switch2 - How to reset the controller.

1. Disconnect the power and remove the wires from the Green and Mauve terminals
2. Insert a wire link between the Green and Mauve terminals
3. Reconnect the power (the unit will bleep 4 times)
4. Disconnect the power and remove the link wire, reconnect the Green and Mauve wires
5. Reconnect the power (the unit will bleep 3 times per second). The unit is ready to be enrolled.

Specifications			
Electrical	Min	Max	
Voltage			12V DC
Current		150 mA	
Carrier frequency			125 kHz
Clock and data bit period			600 μ s
Environment	Min	Max	
Operating temperatures - all items	-35 °C (-31 °F)	+66 °C (+ 151 °F)	
Waterproof	IPX7		Outdoor use
Cable length			10 feet
Read Range	Token	Keyfob	Hands Free Token
	2"	11/2"	Not Compatible
Dimensions	Width	Height	Depth
Panel mount reader	2 1/4 "	2 1/4 "	11/16 "
Window size	40 mm (1 19/32")	40 mm (1 19/32")	-
Mounting studs - Square formation	49 mm (1 30/32")	49 mm (1 30/32")	See front page for position

Reader fixings are in metric to match industry standard access panel readers