

 Paxton



ins-30079

Net2 USB/RS485 Converter



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 - <https://www.paxton-access.com/>

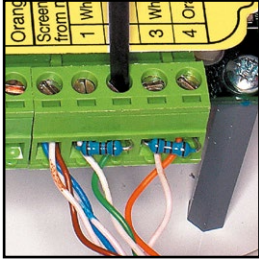
Software - Requires Net2 v4.13 or later

This device requires the PC to have a Paxton USB driver loaded. Please contact Technical Support if software or further assistance is required.

No further configuration is required. The Net2 software will look for the USB device. This Net2 device will NOT show as a serial port in the PC software.

END OF LINE TERMINATION - The data line must be wired as a single daisy chain. The converter may be located anywhere along the line.

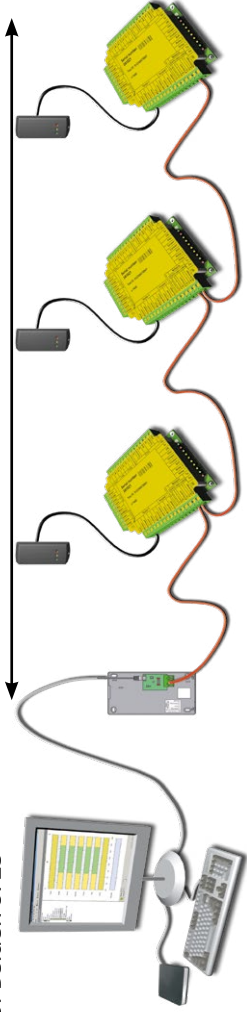
120 ohm resistors must be linked across each data pair at the beginning AND end of the data line. This can be done on many units with a switch or jumpers. If not, resistors are provided with the converter. If the data converter is located at a point along the data line, termination will then be required in the two ACU's at each end of the line.



The ACU's will continue to operate in a 'standalone' mode if the PC is shut down or the data line is disconnected. Any Events that occur during this period are stored in the ACU and the PC is updated when it comes back online. The PC must be running for any 'active' functions to operate. (e.g. Fire Door release)

Cat5 or Belden 8723

1,000 metres max



90% of installation faults are caused by wiring errors on the RS485 data line. Special attention to getting this right first time saves a lot of time and effort.

RS485 data line resistance checks

- ✓ Check the resistance across each data pair is 60-80 ohms.
 - ✓ Check that there are no data line to screen shorts.
 - ✓ Check the screen of the data cable is continuous - this provides the 0V DC system reference.
- Star configuration or side spur data lines are not permitted - You must create additional data lines originating at another PC Port, TCP/IP or RS485 Repeater.

IMPORTANT: The USB cable must be secured to the base plate by means of the supplied cable tie.

Wire the data line as per label. Screen and spare cores to 0V.

This unit has onboard resistors which can be put into circuit by putting the jumper across the 2 pins.

Net2 server activity LED

USB connection

CAT5 Cable Coding	
Network	
Screen or spare cores from network cable	0V
White/Orange	Orange
White/Green	Green
White/Blue	Blue
White/Brown	Brown



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

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