



IDRATEK

INTELLIGENT AUTOMATION

PCD-001 RS232 PC Interface

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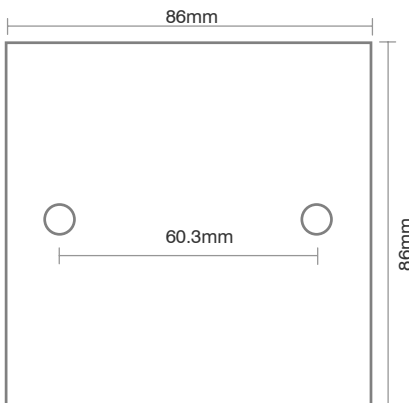


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The PCD-001 module provides an RS232 interface to the IDRANet network. It allows sophisticated PC based applications (such as IDRATEK's CORTEX) to provide a much greater overall level of functionality by managing and combining the available network components together with other PC interfaces. For example as well as providing the 'brains' and user interface for a complex network application, the PC can also add Internet and telephony functions to the structure.

Whereas a PC and PC interface module are not essential to the running of a 'standalone' network, they will be required at least temporarily for network commissioning or reprogramming purposes. Multiple PC interfaces can be connected to a given network to provide network access from separate locations or by multiple devices. For example one device might be dedicated to network monitoring whereas another might implement management functions.

Similarly a PC interface module can be used as a network interface to other RS232 capable devices, for example to develop non PC based network control modules



Physical

- Standard 9 Way RS232 Serial Port (Male)
- Connection to a PC made via standard serial cable

Functional

- IDRANet/RS232 indicator LEDs
- Baud rate selectable RS232 interface (to 56.7Kbaud) with CTS handshake
- Module reset via RS232 signal line
- 5 data bus interface settings including: Pass through, filtered, snoop, gateway
- Updateable firmware allows improvement upgrades
- Status indicator LED
- Fully IDRANet Compatible

Electrical

- Operating voltage 12-15V DC
- Current consumption 25mA (nom), 30mA (max)

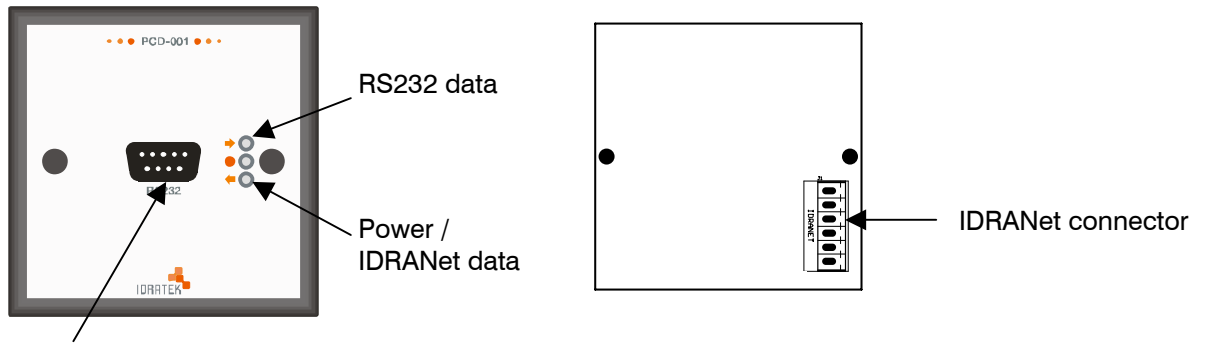
Environmental

- Operating temperature 0°C to +45°C
- Operating humidity 5% to 95% (non-condensing)

Mechanical

- Designed to fit UK standard 35mm deep electrical pattress
- 60.3mm fixing centres using standard M3.5 screws

Module Connections



RS232, reset
Connection to PC is via CBD-001
connecting lead (purchased
separately)

Example Connectivity

