



POWERNET
IP READER

PowerNet IP Reader

Powered by ISONAS



- Three monitor inputs for door sense, request to exit, and tamper; two TTL outputs and one door strike relay
- Can store 64,000 cardholders, buffer 5,000 access events, and hold 32 time zones
- 3" - 5" read range on RFID cards, <250 msec
- 125 kHz (dual modulation, FSK & ASK)
- Optical tamper switch and power up diagnostics
- FCC Part 15 certified
- UL294 listed

The Johnson Controls PowerNet IP Reader is a panel-free reader with direct connectivity to the data network, with Power over Ethernet (PoE) built-in. The reader is configured and monitored using the P2000 security management system to provide authorized security personnel with real-time access control and emergency response. Once installed, the readers use TCP/IP to communicate with the network and respond to specific commands and parameters. This allows access to be changed and maintained from anywhere at any time via the network.

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Features

- Fail-safe – Offers added security by automatically switching from network mode to stand-alone mode should the network become unavailable for any reason.
- Built-in Keypad Option – Allows users to either swipe their badge and/or enter the card number on the keypad.
- Encryption – Advanced Encryption Standard (AES) encryption all the way to the exterior of the door.
- External Door Kit (EDK) Option – Extra security on external door applications that blocks any attempt to hot wire the door lock or to gain unauthorized entry into the network.

Communication interface

- Ethernet, TCP/IP, standard RJ45
- RS232 interface for connecting serial devices
- Power reset button cycles power on the reader
- Reset-to-Factory-Defaults button resets the configuration to a standard group of settings
- Power output makes power from the PoE circuit available to power other devices (available power is at least 0.5 amps at 12volts)
- Field flashing allows flash of the microcode on any reader, anywhere on the network

Capacity

The PowerNet IP reader can store 64,000 cardholders, buffer 5,000 access events, and hold 32 time zones.

Construction

- Durable polycarbonate blend plastic enclosure, UV stabilized
- Potted for greater weather resistance
- Ethernet interface, 3 monitor inputs and 2 TTL outputs
- 12 terminations (3 relay, 2 power, 5 inputs, 2 outputs)

Technical Specifications

Power Options	PoE, 12 volts, 24 volts Operating current is <250 mA at peak @12v
Compliance	FCC Part 15 UL294 Rated for outdoor use (-15 to 50 degrees Celsius, operating humidity 5-95%)
Dimensions:	1.625" W x 6.750" H x .940" D (mullion) (4.13 x 17.14 x 2.39 cm)