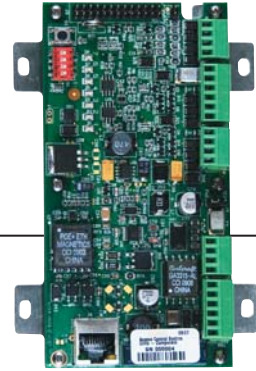


PW6101 Series

Single Door POE Intelligent Controller and Reader Module



The PW6101 series intelligent controller and reader module is a high performance, Ethernet ready, cost effective system capable of controlling a single opening. The controller and reader module are configurable for either Wiegand or OSDP.

Intelligent Controller

PW6K1ICE is a PoE single door access controller with many of the features of higher end controllers. The PW6K1ICE controller supports up to 32 time zones per panel with triggers, and offers support for two-man rules and hard/soft/timed anti-passback. The PW6K1ICE controller supports one door with either a single reader or in/out reader configurations. It can be powered via PoE or a separate DC supply and it's easy to position the controller above, near or at the door. It extends to connect to a maximum of 16 PW6K1R1E PoE reader modules on the same Ethernet subnet. Minimal training is required for persons familiar with PW6000 and Pro-Watch®.

Reader Module

The PW6K1R1E single door PoE reader module supports one door with either a single reader or in/out reader configurations. It can also be powered via PoE or a separate DC supply and is equally as easy to position above, near or at the door. Honeywell has included support for industry-standard OSDP RS485 reader communications protocol. As an alternative to Wiegand wired readers, this protocol offers two-way communications that maintain constant contact with the reader and can easily detect tamper scenarios. Additionally, OSDP can provide capabilities including configuration of ASCII text on LCD displays and synchronisation of reader clocks, depending on reader capabilities.

FEATURES

PW6K1ICE Intelligent Controller

- Powered by the network via PoE or standalone power supply
- Supports one door of I/O with IN and OUT readers
- PoE can power all door I/O devices such as readers, door position switch, request to exit and door strike
- Sized to be mounted at the door in an appropriate enclosure
- Supports up to 16 PW6K1R1E PoE reader modules on the same network subnet
- Supports up to 32 time zones per panel
- Triggers and procedures support
- Hard/soft/timed anti-passback

PW6K1R1E Reader Module

- Powered by the network via PoE or standalone power supply
- Supports one door of I/O with IN and OUT readers
- PoE can power all door I/O readers, door position, request-to-exit and door strike
- Sized to be mounted at the door in an appropriate enclosure
- The PW6K1R1E can be linked to either a PW6K1ICE or PW6K1IC controller
- Up to 16 PW6K1R1E single door PoE reader modules can be connected to a controller on the same network subnet

PW6101 Series

Single Door POE Intelligent Controller and Reader Module

BENEFITS

PW6K1ICE Intelligent Controller

- Scalable access control solution for small remote sites. More cost effective than PW6000 for systems with fewer than six doors.
- Ideal addition for organisations that need a consistent price to charge access control doors back to respective business units.
- An ideal IP PoE solution for new construction and other facilities that are infrastructure-ready. Organisations that are IP PoE ready have a desire to standardise on IP PoE for telecommunications, IT equipment and security products with the goal of streamlining wiring on Ethernet and leveraging PoE and PoE universal power supplies in case of power loss/failure.

PW6K1R1E Reader Module

Use of the PW6000 single-door PoE reader module in conjunction with PW6K1ICE and PW6000 controllers facilitates the aggregation of doors into fewer channels to the Pro-Watch server. Each Pro-Watch communications server can accommodate up to 200 channels (e.g. controllers, etc).

PW6101 Series

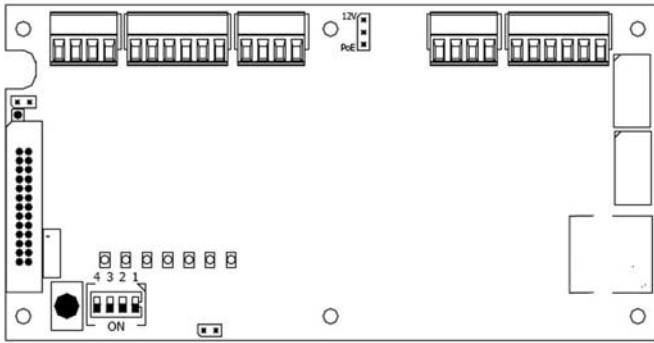
Single Door POE Intelligent Controller and Reader Module

SPECIFICATIONS

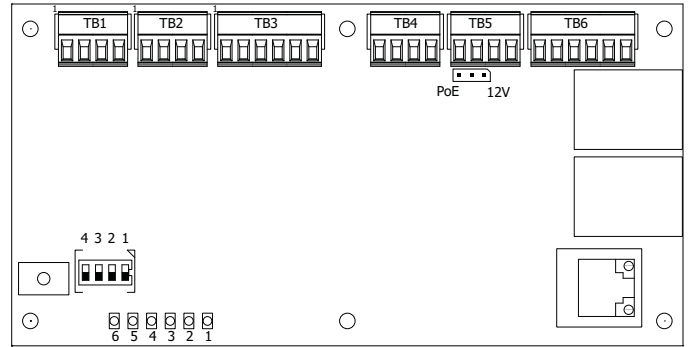
| | Intelligent Controller | Reader Module |
|---------------------------------------|--|--|
| Power Input | PoE power input 12.95 W, compliant to IEEE 802.3af or 12 VDC \pm 10% 900 mA maximum power supply. Note: For UL installations, PoE-powered devices shall not be used. Power for these devices must be provided by a UL294 listed power limited source (12 VDC). | |
| Power Output | 12 VDC @ 650mA including reader and AUX output | 12 VDC @700mA including reader and AUX output |
| Reader Power Interface | PoE: 12 VDC \pm 10% or local power supply (12 VDC) (PTC limited 150 mA max) | |
| Inputs | Two general purpose programmable circuit type inputs with dedicated tamper PW6K1R1E | Four programmable inputs with optional end-of-line resistor |
| Outputs | Two relay Form C, 2A @ 30 VDC reader | Two programmable relays – Form-C, 5 Amp, 28 VDC |
| Ports | Two TTL reader ports or one 2-wire RS485 reader port capable of supporting two readers | |
| Keypad | Multiplexed with card data | |
| LED | TTL compatible | |
| Buzzer | Only with 'one-wire' LED | |
| Dimensions | Without bracket: 140 x 70 x 24 mm (WxLxH) With bracket: 140 x 92 x 34 mm (WxLxH) | |
| Temperature | Operating: 0° to 77°C Storage: -55° to 85°C | |
| Humidity | 10-95% RHNC | |
| Technical Features | Connectivity Primary Port: 10/100 Ethernet | |
| Door Control | One physical barrier can be controlled using single or paired readers. Two reader ports: magnetic, Wiegand or RS485 (RS485 on one reader port capable of supporting two readers). Two supervised inputs, two relays. Diagnostic LEDs. Dedicated tamper input. | One physical barrier can be controlled using single or paired readers. Two reader ports: magnetic, Wiegand or RS485 (RS485 on one reader port capable of supporting two readers). Four supervised inputs, two relays. Diagnostic LEDs. |
| Access Control | 240,000 cardholders, 50,000 transaction buffer. 32 access levels per cardholder. 19 digit (64-bit) user ID and 15 digit PIN numbers maximum. | |
| Activation/ Deactivation Dates | If/then macro capability | |
| Card Formats | Eight active card formats per EP1501. PIV-II, CAC, TWIC card compatible. Anti-passback support nested area, hard, soft, or timed forgiveness. | |
| Alarm Management | Normally open/Normally closed, unsupervised, supervised. Standard or custom end-of-line resistances. | |
| Standards | UL294 Recognised, CE Compliant, ROHS, FCC Part 15 Class A, NIST Certified Encryption | |

PW6101 Series

Single Door POE Intelligent Controller and Reader Module



Intelligent Controller - PW6K1ICE



Reader Module - PW6K1R1E

ORDERING

Control Panels

| | |
|-----------------|------------------------|
| PW6K1ICE | Intelligent controller |
| PW6K1R1E | One door reader module |

For additional information,
please visit www.honeywellintegrated.eu

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