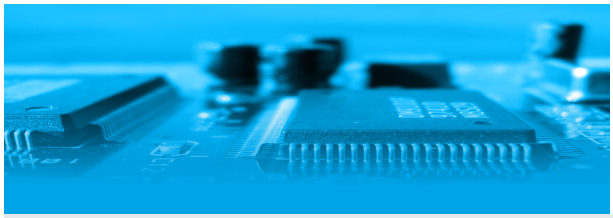
ELECTRONIC MODULES

IP CONTROLLER UNIT - V2 SERIES

PRODUCT DATASHEET

PULSE



Highlights

SIMPLIFIED ARCHITECTURE
PULSE simplifies wiring and reduces setup time by using buildings' new IP infrastructures.

NO MORE LOCAL POWER SUPPLY
PULSE removes local and specific power supply limitations connected with the locking device.
Associated battery maintenance becomes unnecessary.

MODULARITY
PULSE improves the architecture's modularity by relocating the intelligence closer to the access point.
If a problem is encountered, it will only impact 1 or 2 readers

Main features

- The automated system can be delivered in a COF22 case with white plastic front and metal back + self-shielding kit
- PULSE is designed to operate with EVOLUTION readers, by using specific terminals
- 4 balanced inputs, 2 digital inputs, 2 RT relays, 1 AP input
- Power supply available for readers and locking system: 13V 1A with resettable fuses. A 0.8A battery option is available if needed

Managing and powering access over IP

The PULSE automated access control system is a programmable local security unit that lets you fully manage doors over IP.

Powered directly by the network with Power over Ethernet (PoE) technology, PULSE can control 1 or 2 doors, including readers and locking systems.

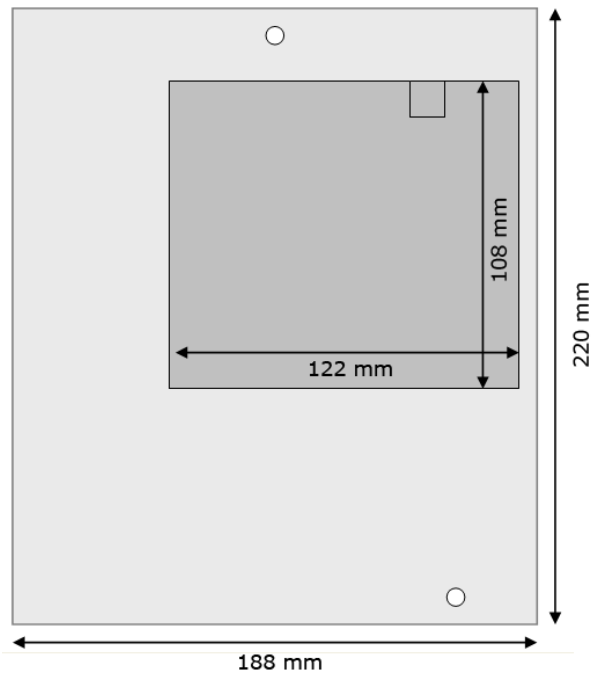
Like a TILLYS, PULSE communicates encrypted data over the network, and it can be used in a centralised MICRO-SESAME system and multiple-site architecture.

The IP infrastructure requires active elements provided for PoE use that are class 3 or higher. This architecture can do away with power and local backup (battery) constraints.
However, for certain locking systems requiring more power than that available (13V 1A), a battery may be integrated into the PULSE housing.

POE ACCESS CONTROL		
PULSE AUTOMATED SYSTEM	TERMINALS	READERS
		

PULSE

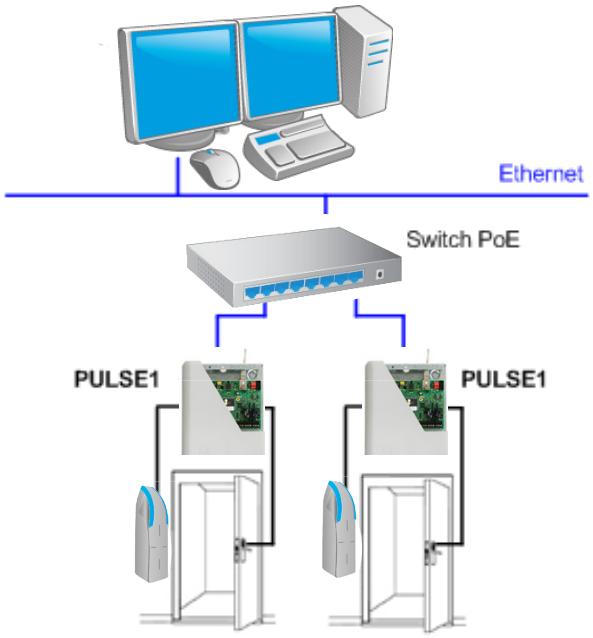
Dimensions



Technical details

- Power supply for readers and locking system : 13 VDC, 1 A
- Clock calendar : Backed up by a plug-in lithium battery, 32 public holidays, 32 timer programmes
- Network communication : Ethernet PoE class 3
- Door connection : Detachable cage terminals
- Indicator lights : On Ethernet input and each input/output
- Balanced inputs : 4 inputs with resistor for line monitoring
- Digital inputs : 2 digital inputs, 5 to 30V DC or dry contact
- Relay ouputs : 2 NO/NC relay outputs, 6A/48V DC or 10A/48V AC
- Readers : 1 or 2 according to model
- COF22 case : white plastic and metal + self-shielding kit
- COF22 dimensions : 220 x 188 x 40 mm
- Electronic module dimensions : 108x122 x25 mm
- Humidity : 0 to 95%
- Operating temperature : 0 to 45°C
- Weight, PULSE electronic module alone : 0,26 kg

Basic Architecture



Product references

- PULSE1-RD : Manages 1 reader, 40 000 badges, PoE IP network connection, DIN rail mount
- PULSE2-RD : Manages 2 readers, 40 000 badges, PoE IP network connection, DIN rail mounting
- MB/CPUDC-PSE : Conversion terminal for connecting 2 DataClock/ Wiegand readers - *Required for EVOLUTION readers*
- BAT08 : 0,8 Ah -12V battery

Sales Contact : sales@til-technologies.com