# **PULSE**

# **Electronic modules**

# PoE Automated Systems



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 LPU, 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.



#### **LES PLUS**

# 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

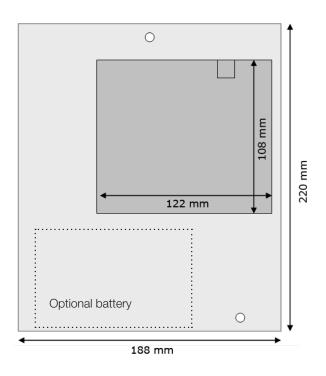
PULSE improves the architecture's modularity by relocating the intelligence closer to the access point. If a problem is encountered, it will only impact 1 or 2 readers

# Principles & Features

- The automated system can be delivered in a white BTE22 unit with self-shielding upon being opened or in a plastic box for DIN rail mounting.
- PULSE is designed to operate with PROXILIS readers, although other readers can be managed by using specific terminals (ask us for further information.
- Power supply available for readers and locking system: 13V 1A with resettable fuses. A 0.8A battery option is available if needed..
- 4 balanced inputs, 2 digital inputs, 2 RT relays, 1 AP input.

# **PoE Access Control**

### **Mechanical dimensions**



Case depth: 40mm

# References

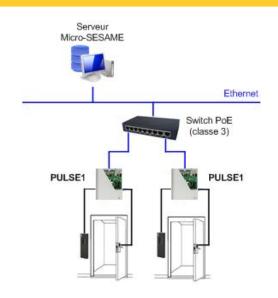
### Automates de commande PoE PULSE :

- PULSE1-BT: manages 1 reader, 40,000 badges, PoE IP network connection, BTE22 housing
- PULSE1-RD: manages 1 reader, 40,000 badges, PoE IP network connection, DIN rail mounting
- PULSE2-BT: manages 2 readers, 40,000 badges, PoE IP network connection, BTE22 housing
- PULSE2-RD: manages 2 readers, 40,000 badges, PoE IP network connection, DIN rail mounting

#### Optional battery for PULSE:

**BAT08**: 0,8 Ah -12V battery

#### **Basic Architecture**



# **Detailed features**

- Power supply available 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
- Relay ouputs: 2 NO/NC relay outputs, 6A/48V DC or 10A/48V AC
- Readers: 1 or 2 according to model
- BTE22 case: metal back, white ABS shell
- **()** BTE22 dimensions: 220x188x40 mm
- **()** Electronic module dimensions: 108x122 x25 mm
- **()** Humidity: 0 to 95%
- Operating temperature: 0 to 45°C
- Weight, PULSE in BTE22 case: 0,83 kg
- Weight, PULSE electronic module alone: 0,26 kg

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