

Controller PasSy

Item SA-RC-BB



PRODUCT DESCRIPTION

PasSy is a controller that can be used for Access Control solutions and also as a Room Controller.

Since it has a wiegand input, it can be interfaced with a badge reader (any technology) to control doors, automatic gates, parking barriers, garages and any electrically powered device via APP from smartphones.

In addition, two inputs and two outputs allow to use the device as a room controller for hotel, B&B, etc.

It also natively supports SimonVoss solutions.

PasSy solution includes also an APP (available in Google Play and App Store) and a web portal where it is possible to configure and manage the system.

TECHNICAL SPECIFICATION

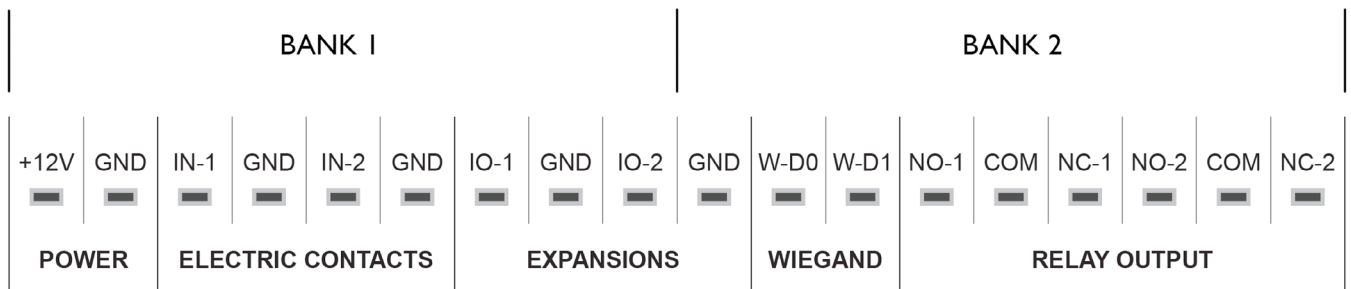
Installation	DIN Rail Mounting, 4U H53 Module
Dimensions	90 x 70 x 60 mm
DC Input Voltage	12-15VDC
Architecture	Intel Edison 32-bit
Wiegand	26-37 bit
Electric Contacts	2x configurable as NO or NC
Relay Output	2x configurable NO/NC Max 6A @ 50VAC / 6A @ 30VDC
Expansion (optional)	2x configurable GPIO with PWM
LAN	Ethernet 802.3
WiFi	WiFi 802.11n
Bluetooth	Low Energy 4.0
External Antenna (optional)	RP-SMA connector
Buttons	Power/Reset, Force output 1, Force output 2
Power Consumption	Max 250mA @ 12V
IoT Protocols	AMQP, MQTT, REST
Certifications	CE, Azure IoT

APP PasSy



WEB PORTAL

www.passy.it



CONNECTIONS AND SPECIFICATION

BANK 1

POWER

- positive 12-15 v .c.c , +/- 10%, 250 m.A.
- power supply ground

ELECTRIC CONTACTS

- IN-1, IN-2 - Pulled UP input Dry contact powered 0-1,8V, SELV protected
- GND - Motherboard ground

EXPANSIONS (Optional)

- IO-1, IO-2 - Jumper Closed : IN - Pulled UP Dry contact powered 0-1,8V, SELV
Jumper Open : I/O - Programmable I/O 0-1,8V, Output Max 3 mA
- GND - Jumper Closed : Input - Motherboard ground
Jumper Open : I/O - Motherboard ground

BANK 2

EXPANSIONS (Optional)

- GND - Jumper Closed : Input - Motherboard ground
Jumper Open : I/O - Motherboard ground

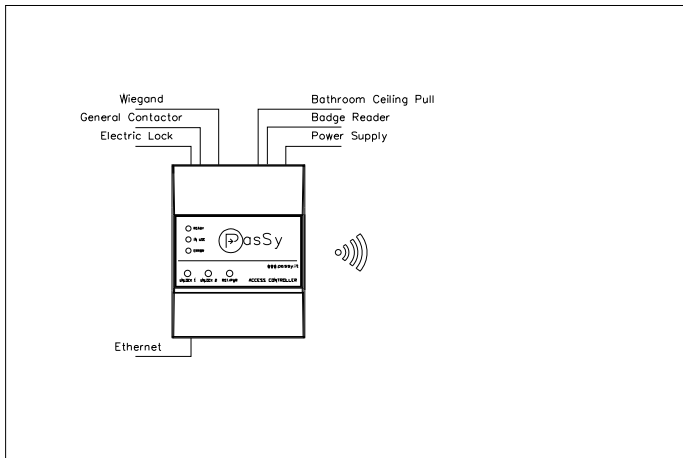
WIEGAND

- W-D0, W-D1 - Wiegand Data – Input 3,3-5V

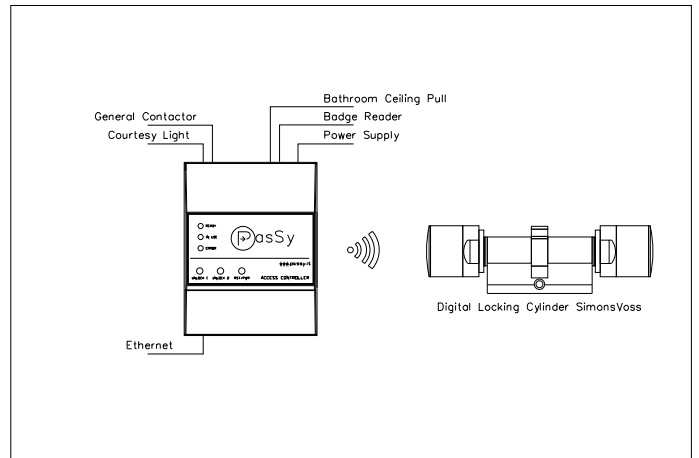
RELAY OUTPUT

- NO-1, NO-2 - Relay controlled - Normally Open - Max 6A @ 50VAC / 6A @ 30VDC
- COM - Max 6A @ 50VAC / 6A @ 30VDC
- NC-1, NC-2 - Relay controlled - Normally Closed - Max 6A @ 50VAC / 6A @ 30VDC

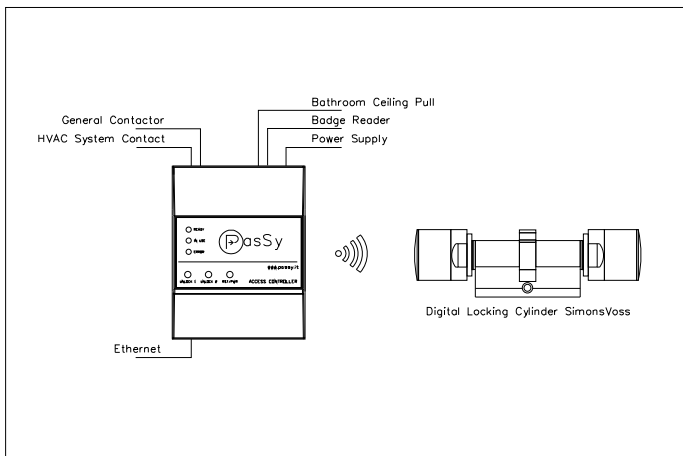
Use cases



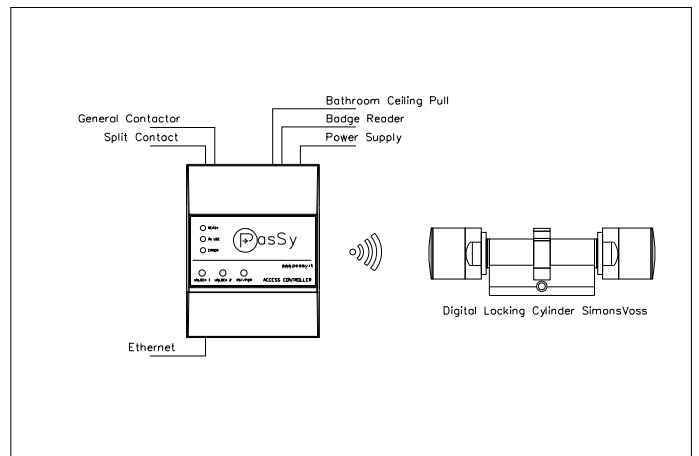
Case 1



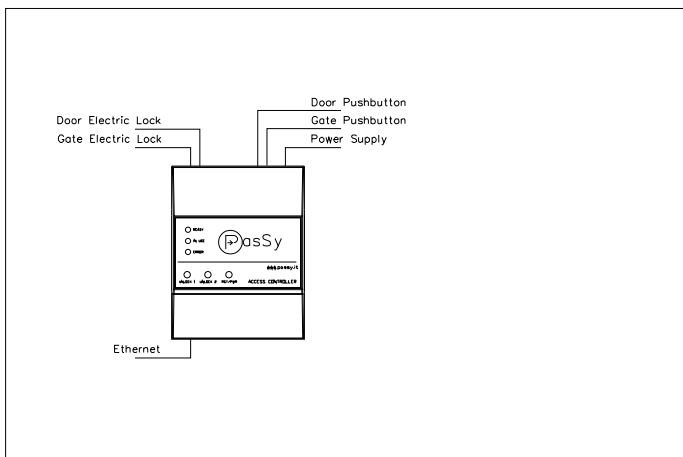
Case 2



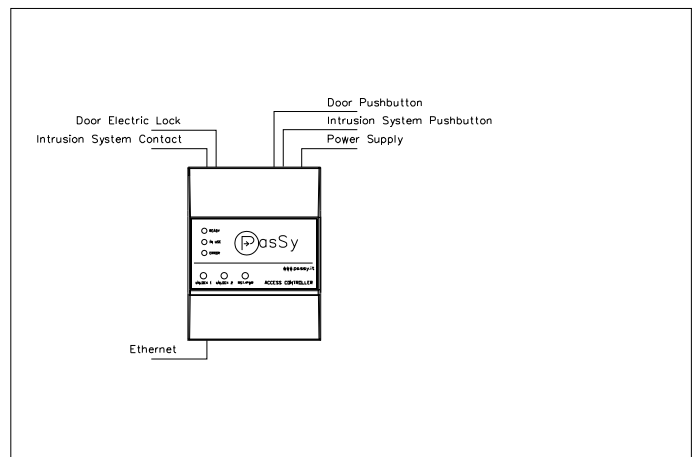
Case 3



Case 4



Case 5



Case 6