



# PP1-RX1K PIN PAD/PROXIMITY READER

INSTALLATION AND MAINTENANCE GUIDE

PP1-RX1K-03

JANUARY 2022

# INFORMATION

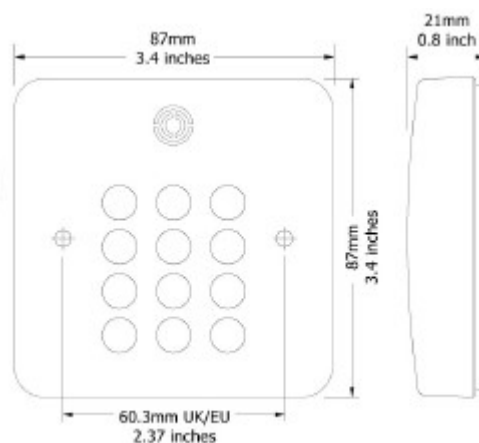
**GENERAL:** The PP1-RX1K advanced access control reader features an integral keypad and is designed for surface mounting directly to most plain wall finishes and also fits onto a UK or EU electrical back box. It is quick and easy to install and is designed for the most demanding access control applications. Capable of reading standard Clock/Data, Wiegand and Mifare. Having a slim and innovative clean aesthetic, the reader features an RGB LED with backlit keypad which allows each door to be set with a colour coded access level and to offer illumination for environmental mood lighting or indeed to compliment corporate colours.

**CONNECTION:** It is recommended that Belden 9536 cable or equivalent is used between the reader and terminal/door controller. Always follow the manufacturers recommendations when connecting to other equipment. IF CABLING IS ROUTED OUTDOORS, UNDERGROUND OR IN DUCTING PRONE TO WETNESS, APPROPRIATE CABLE

IP+ DOOR	EVOLUTION DOOR	CONNECTION	READER CONNECTOR
+5V	+V	+Vcc	1
C/IN1	C/IN1	DATA 1/CLK	2
D/IN2	D/IN2	DATA 0/DAT	3
OUT	OP?	GREEN	4
0V	0V	GROUND	8

MUST BE USED.

**MOUNTING:** The PP1-RX1K is designed to be mounted flush to the wall surface. Use the reader mounting bracket to mark out the position of the fixing screws, drill holes suitable for the wall material. When drilling brick material a 6mm drill bit should be used. If mounting on sheet material, glass, metal etc... The mounting arrangements will need to be modified to suit. Drill a hole roughly mid-way between the two mounting holes for the connection cable.



**MEDIA:** The PP1-RX1K has a read range of up to 15cm. **NOTE:** Reading range can be affected by local installation conditions.

## SPECIFICATION:

### Voltage:

Operation: +5 Vdc to +16 Vdc  
 Data Output: Rest >4V dc Active <1V dc

### Power Consumption:

Maximum: 250 mA Typical

**Dimensions:** 87 (L) 87 (H) 21 (W) mm

### Mechanical:

Housing: Moulded polycarbonate with fully encapsulated electronics  
 Mounting: Wall surface  
 Weight: 115g nominal



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