



# ELITE RX1 PROXIMITY READER

## PP1-RX1

The ELITE series RX1 advanced access control reader is designed for surface mounting directly to most plain wall finishes and also fits onto a UK or EU electrical backbox.

This powerfully secure and innovative reader has a beautifully clean aesthetic and features an RGB LED that can be applied to many applications, e.g. colour coded access levels, migration status or mood lighting.

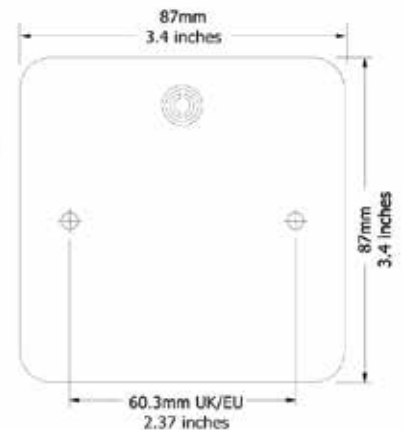
The unit is moulded using tough polycarbonate/ABS plastic and includes a shadow line backplate, a subtle design feature that makes the reader appear to float on the wall.

### INTERFACING

The reader supports HID Clock/Data, Wiegand and Mifare formats allowing it to be used in a wide variety of situations. This not only allows it to be used with our Evolution access control solution but also our Time & Attendance terminal range. The combination of an integral speaker, an RGB LED, three control inputs and a variety of LED/buzzer/external control options provide a flexible platform to give the right user interface configuration for your project.

### DESIGN

- UK design and manufacture
- High gloss finish in BLACK or WHITE
- Slim profile
- RGB LED
- Fully encapsulated electronics
- Clock/Data, Wiegand and Mifare outputs
- 5 year limited warranty
- Read range up to 10cm (4 inches)



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### Technical Specification

#### MECHANICAL

Dimensions: 87mm x 87mm x 21mm  
(3.4 x 3.4 x 0.8 inches)  
Housing: Moulded polycarbonate/ABS  
Mounting: Wall surface

#### CONNECTION

- 1 - +Vdc Supply voltage (+5Vdc to +16Vdc)
- 2 - DATA1 / CLK Wiegand or Clock/Data output
- 3 - DATA0 / DAT Wiegand or Clock/Data output
- 4 - GREEN Green LED control input
- 5 - RED Red LED control input
- 6 - BUZZER Buzzer control input
- 7 - TMPR / CP Tamper or Card Present output
- 8 - OV Supply voltage ground
- 9 - TTL TX TTL transit line
- 10 - TTL RX TTL receive line

#### ENVIRONMENTAL

Operating Temperature: -20°C to +60°C  
Humidity: 0 - 100% RHNC  
Ingress Protection: IP65

#### ELECTRICAL

Voltage: +5Vdc to +16Vdc  
Current: 250mA typical  
Data Voltage: Rest >4Vdc / Active <1Vdc  
Data Output: Wiegand, Clock & Data  
Indication: 1 RGB LED  
Sounder: Integral speaker

#### Possible Applications for the Reader

Access Control connected to a TouchStar Evolution Door Controller  
Access Control connected to a TouchStar TS2020 Terminal  
Secondary Clocking connected to a TouchStar TS2020 Terminal

#### TouchStar Part No:

PP1-RX180-A17  
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### ABOUT US

At TouchStar we specialise in workforce management for companies operating in complex environments: Hospitals, food manufacturing, high-end retail - just about any place where absolute certainty about access is paramount. Our systems sit behind thousands of workers and use wired and wireless networks to capture millions of actions.

We focus on two sectors:

**TIME & ATTENDANCE** - With our in-house and partner terminal ranges and Fastlane device management platform.

**ACCESS CONTROL** - Supplying hardware and software with our Evolution system which is the result of over 20 years experience in the field.

**TouchStar**

**Access | Time | CCTV**

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