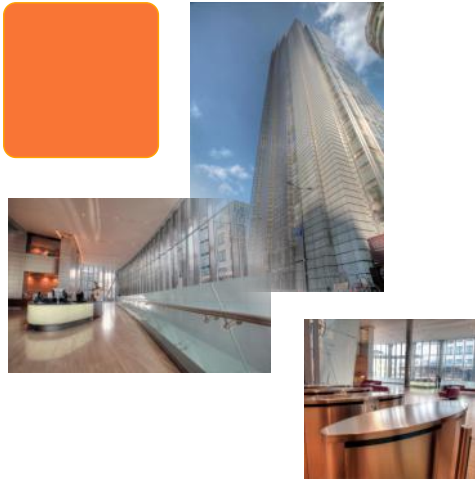# datasheet

**RX 1**

*style or technology ... NOW you can have both*

## elite SERIES

- UK DESIGN & MANUFACTURE
- HIGH-GLOSS FINISH
- SLIM PROFILE
- RGB LED ZCL ( Zone Control Lighting )
- HERMETICALLY SEALED HOUSING
- WIDE RANGE OF OUTPUT FORMATS
- 5 YEAR LIMITED WARRANTY
- FITS UK/EU ELECTRICAL BACKBOX
- CUSTOMER BRANDING AVAILABLE
- READ RANGE UP TO 12cm

TM125 | mifare® | LEGIC

-20 +60 C | IP65 | up to 12cm | 5yrs

## PRODUCT APPLICATION

The **ELITE series RX1** reader is designed to provide a low cost installed expenditure, and fits directly onto a UK/EU electrical backbox using standard M3.5mm screws (supplied).

Having a slim and innovative clean aesthetic, the reader features an RGB LED which allows each door to be set with a colour coded access level, or to illuminate to compliment corporate colours.

The unit is moulded using tough PC/ABS plastic, and includes a unique **shadow-line** backplate making the reader appear to almost float against the wall.

## FEATURES

■ **PANEL INTERFACE**
A wide variety of output formats can be supplied to suit most applications.

■ **QUALITY DESIGN**
Third Millennium has over 15 years of experience in the design of RFID technology, and offers complete peace of mind when readers have been installed.

■ **FLEXIBLE CONNECTIONS**
With an RGB LED indicator and an integral speaker, the reader allows for various connection combinations.

■ **CARDS & TAGS**
A wide range of identity cards and keyfobs are available to suit virtually every application. Standard ISO style plastic cards, with or without magnetic stripe, can be supplied with surface printing using standard PVC card printers, or to special order.

## TECHNICAL SPECIFICATION

### Mechanical

| | |
|---|---|
| size: | 87mm x 87mm x 21mm |
| housing: | moulded polycarbonate/ABS with fully encapsulated electronics |
| weight: | 110g nominal |
| mounting: | 2 x M3.5 screws (supplied) |

### Connection (screw terminal)

1 - supply +5V dc to +16V dc
2 - clock / data 1
3 - data / data 0
4 - green LED
5 - red LED
6 - buzzer
7 - tamper
8 - supply 0V
9 - TTL Tx
10 - TTL Rx

### Environmental

| | |
|---|---|
| operating temp: | -20 °C to +60°C |
| humidity: | 100% RHNC |

### Electrical

| | |
|---|---|
| voltage: | +5V dc to + 16V dc |
| current: | 250 mA typical |
| data voltage: | rest >4Vdc / active <1Vdc |
| data output: | Wiegand / clock & data / custom output formats |
| indication: | 1 RGB LED (operation reader model dependent) |
| speaker: | audible indicator (external control on some models) |

## PART NUMBERING

**RX 1** **\*** **\*** / **\* \* \***

| STYLE | | | TECHNOLOGY | | OUTPUT | | CONFIGURATION SPECIFIC (optional) |
|---|---|---|---|---|---|---|---|
| 1 | RX 1 series | | 0 | TM125 | 0 | pass through | example: |
| 4 | RX 4 series | | 6 | LEGIC | 1 | clock & data | **RX102/A01** |
| 5 | RX 5 series | | 8 | mifare® | 2 | Wiegand | RX1 SERIES reader with Third Millennium technology, Wiegand output and a specific configuration reference. |
| | | | | | 3 | Watermark | |
| | | | | | 4 | RS232 | |
| | | | | | * | * | |
| | | | | | * | * | |
| | | | | | * | * | |