

# datasheet

## TM5

style or technology ... now you can have both

THIRD MILLENNIUM  
advanced access control readers



## SERIES

- UK DESIGN & MANUFACTURE
- RUGGED CONSTRUCTION
- ROBUST BACKLIT KEYPAD
- HERMETICALLY SEALED HOUSING
- OUTDOOR ALL-WEATHER OPERATION
- WIDE RANGE OF OUTPUT FORMATS
- 5 YEAR LIMITED WARRANTY
- CUSTOMER BRANDING



TM125

mifare

LEGIC



### PRODUCT APPLICATION

The **TM5 SERIES** keypad and integrated proximity module offers a sophisticated functional capability and cost effectiveness. The reader is programmable and can be configured to suite most applications.

The keypad is backlit and manufactured from translucent polyurethane with embedded numerals giving a high level of resistance to wear-and-tear & harsh environments.

Using our in-house graphic design department, a popular feature of the TM5 has been to supply customer branding to the polycarbonate housing, giving a company 'presence' wherever the reader is situated.

### 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 2 LED indicators 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.

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### TECHNICAL SPECIFICATION

#### Mechanical

size: 107mm x 82mm x 29mm  
housing: moulded polycarbonate housing fully encapsulated electronics  
weight: 240g nominal  
mounting: 2 x wood 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 / speaker
- 6 - card present
- 7 - supply 0V dc

#### Environmental

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

#### Electrical

voltage: +5Vdc to + 16Vdc  
current: 250 mA typical  
data voltage: rest >4V dc / active <1V dc  
data output: Wiegand format / clock / data format / customised output formats  
indication: 2 bicolour LEDs (operation reader model dependent)  
speaker: audible indicator (external control on some models)

### PART NUMBERING

TM5 \* \* / \* \* \*

STYLE	TECHNOLOGY
1 TM 1 series	0
2 TM 2 series	6
4 TM 4 series	8
5 TM 5 series	
6 TM 6 series	
9 TM 9 series	
T TM T series	
V TM V series	

TECHNOLOGY
0 TM125
6 LEGIC
8 mifare

OUTPUT
0 pass through
1 clock & data
2 Wiegand
3 Watermark
4 RS232
* *
* *
* *

CUSTOMER SPECIFIC  
(optional)

example:

**TM502/A34**

TM5 SERIES reader with Third Millennium technology, Wiegand output and a specific customer reference.



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