Strobe & Data output Keypad/Reader Type 6MDT1 For External Environments

The MR Access 6MDT1 keypad/reader is built into a rugged metal housing designed for external and internal applications.

Track 2 magnetic card data is read and output in standard Omron/Magtek data format.

The 6MDT1 Keypad reader uses MR Access's Magnetoresistive technology, incorporating a heated head, providing unrivalled performance and extended life characteristics.

The 6MDT1 is designed for use in high volume traffic areas and harsh environments. A 3 x 4 stainless steel keypad, with a telephone style layout is employed and matches the high quality and reliability of the MR card reader sensor. The enclosure is fixed by means of a back plate which incorporates both multi-point fixing and multi-point cable entry.

Specifications:- Environmental

Operating Temperature Range	-10EC to +55EC
Non Operating	-40EC to +70EC
Rain & Dust	IP54
Operating humidity Range	5% to 95% condensing.
Emission	(EN50081-1)
Immunity	(EN50082-1)

Dimensions/Weight

Enclosure	137mm x 90mm x 47mm
Weight	1.1Kg

ORDERING INFORMATION

Part number 6MDT1

Specifications:- Electrical

Input Voltage Range (DC)	6V to 18V (12V nominal)	
Input Current	45mA nominal	
Input control Levels	TTL compatible, protected	
Input Control lines	Omron/Magtek select, Single bi-colour LED	
Keypad inputs	Row 1 - 4, Column 1 - 3	
Signal outputs	DATA	(Transistor Open Collector)
	STROBE	(Transistor Open Collector)
	CARD PRESENT	(Transistor Open Collector)
Keypad interface	Row and Column 3x4 phone keypad with 0-9, **r** and # (Vandal Resistant Keypad)	
LED indication	Red/Green bi-colour	

Fixing & Wiring Connections

Connection is made by means of screw terminal blocks on the internal PCB (see fig 1).
The 6MDT1 housing is secured to the backplate using a factory fitted M4x 20mm cross head screw.

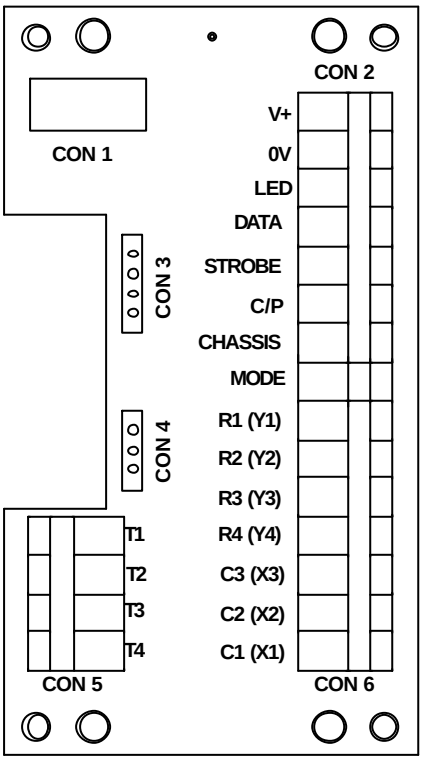

Figure 1
PCB Layout

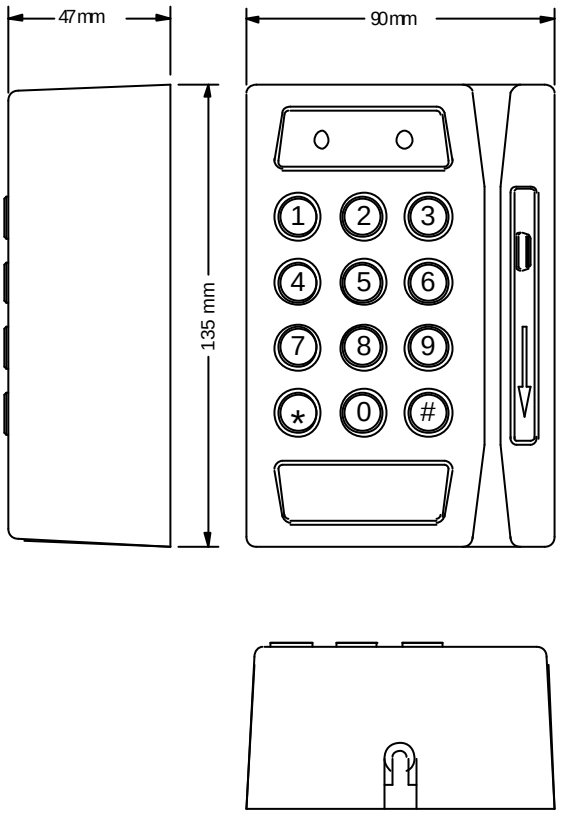

Figure 2
Case Dimensions