

OEM Magnetic Card Reader Type 1132A

External Use

The MR Access 1132A is one of a range of industry standard swipe card readers. The 1132A card reader is designed for external use and is configured to read ISO track 2 of a magnetic stripe card. The reader incorporates state of the art heated magnetoresistive read heads, fully encapsulated electronics and a ribbon cable with connector. This range of readers has been specifically designed, without a cover, to be built into OEM equipment.

Specifications

Supply voltage (V_s)	4.5V - 5.5V
Total supply current	40 - 50mA Typ. (outputs disconnected)
Card speed	40 - 1500 mm/s
Output signal levels	$V_{OL} = 0.4V$ ($I_{OL} = 16mA$) $V_{OH} > V_s - 0.7V$ ($I_{OH} = -1mA$)
Operating temperature	-10°C to +55°C
Read head	magnetoresistive (heated)
Read head life	> 10 ⁶ swipes
Cable length	0.3 metres ribbon cable with connector
Housing	1000 series body (without cover)
Electronics	CMOS encapsulated

Wiring Connections

Yellow	-	V_s
Green	-	GND
Orange	-	<u>CARD PRESENT</u>
Red	-	<u>STROBE</u>
Brown	-	<u>DATA</u>

Dimensions

Overall (nominal)	99 x 28 x 28 mm
Fixing centres	92 x 16
Threaded inserts	M3 x 5 (2 off)

ORDERING INFORMATION
TYPE 1132A

Output Signals

The timing of the output signals is shown in Fig 1.

- CARD PRESENT : This output is low when a signal is detected by the read head.
- DATA : This output is valid while the STROBE signal is low.
- STROBE : This output indicates valid data

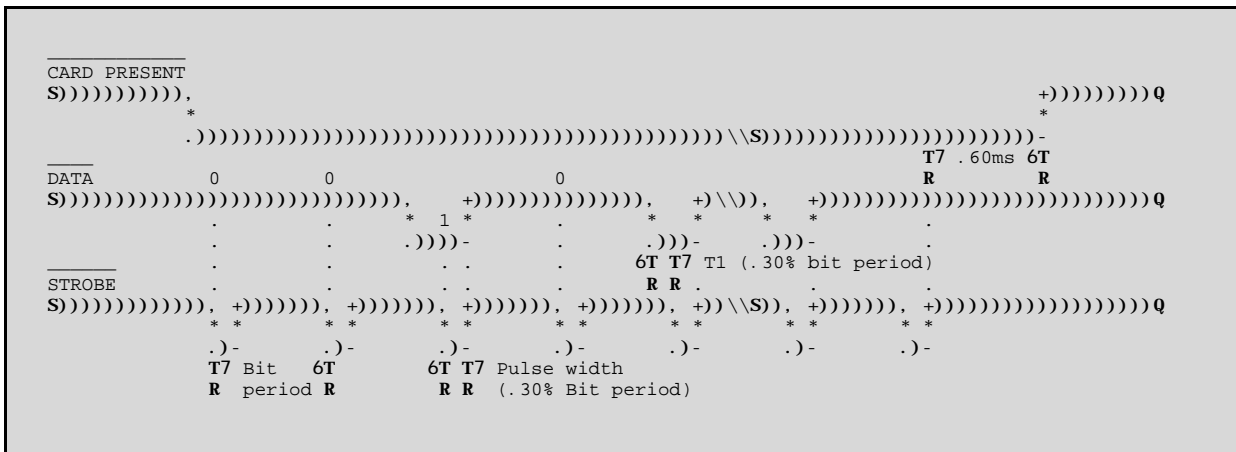


Fig 1 Timing Diagram

ORDERING INFORMATION
Part number 1132A

Options available in the OEM 1000 series range include:-

- # Low cost units suitable for internal environments
- # Custom cable length and connector type
- # LED indication
- # Ultra low power (< 3mA)
- # Special outputs formats
- # Customised versions to suit special requirements