

MS-R-1

Magnetic Stripe Reader 26-bit Wiegand Output



The MS-R-1 magnetic card reader is made from tough mazak and has a steel back plate. The electronics are contained in a waterproof resin. The read head itself is constructed from stainless steel and mu metal. The MS-R-1 has a standard 26-bit format, and will interpret most ABA cards. The read head is rated at over 1,000,000 swipes and the reader is completely waterproof to IPX7. It is robustly designed for the toughest conditions. The modern aesthetics of the reader makes it a popular choice with architects and end-users.

Features

- ◆ Tough metal construction
- ◆ Durable and waterproof
- ◆ 26 bit Wiegand output
- ◆ Modern aesthetics
- ◆ Durable read head



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Accepted card data formats

ABA standard cards comprise of a start sentinel usually followed by 16 digits, a field separator and some other characters. For cards of this type, the 6 digits preceding the field separator are taken as data and transmitted as follows:

SS 1234 5678 9876 5432 = 1478 5236..... ES LR

Data is taken as 765432

The first 2 digits are the site code and the remaining 4 digits are taken to be the user code.

76 01001100 (Binary)

5432 0001010100111000 (Binary)

Giving out a data output of:

00100110000010101001110000

Connection Details:

The data lines should have 560 Ohm pull up resistors fitted at the control unit. The green LED should be connected to the valid LED connection at the control unit. The arrow and red LED's can be constantly illuminated by connecting the mauve and brown wires to 0 volts.

Color	Description	Notes
Red	+5V DC.	4.75to 5.5 volts
Black	0V	0 volts
Green	Data0	Open collector, should be pulled up with 560Ω at control unit.
White	Data1	Open collector, should be pulled up with 560Ω at control unit
Blue	Green LED	Pull to 0V to light green LED
Orange	Amber LED	Pull 0V to light green LED
Brown	Red LED	Pull 0V to light green LED

Ordering:

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