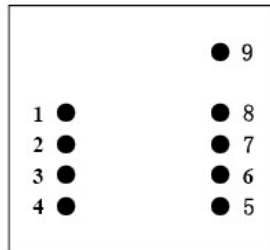


ID-10 Series Reader



Operational and Physical Characteristics

Parameters	ID-10
Read Range	>8cm
Dimensions	26mm*25mm*7mm
Frequency	125kHz
Card Format	EM 4001 or compatible
Encoding	Manchester 64-bit modulus 64
Power Requirement	5 VDC @ 60mA nominal
Voltage Supply Range	+4.6V through +5.4V

Pin Description & Output Data Formats

Pin No.	Description	ASCII	Wiegand26
Pin 1	Zero Volts and Tuning Capacitor Ground	GND 0V	GND 0V
Pin 2	Strop to +5V	Reset Bar	Reset Bar
Pin 3	To External Antenna and tuning Capacitor	Antenna	Antenna
Pin 4	To External Antenna	Antenna	Antenna
Pin 5	Format Select (+/-)	Strap to GND	Strap to +5V
Pin 6	Data 1	CMOS	One Output
Pin 7	Data 0	TTL Data(inverted)	Zero Output
Pin 8	3.1kHz logic	Beeper/LED	Beeper/LED
Pin 9	DC Voltage Supply	+5V	+5V

Output Format-ASCII

02	10 ASCII Data Characters	Checksum	CR	LF	03
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The checksum is the result of the 'exclusive or' of the 5 Binary Data bytes (the 10 ASCII data characters)

Data Structure Wiegand 26 Bit

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
P	E	E	E	E	E	E	E	E	E	E	E	E	O	O	O	O	O	O	O	O	O	O	O	O	O	P
EVEN Parity(E)													ODD Parity(O)													

P=Parity Start Bit and Stop Bit

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