







AP-09 RFID Reader

The AP-09 is part of AcuProx Reader product line for access control. It is indicated for Applications that use cards and tags operating at 125 kHz. Dimensions with reduced readings reaches up to 15 cm, ideal for indoor use in controlling, turnstiles and other equipment.

Purchase Code: 100.049

Features

The AP-09 is a reader of small dimensions, but with great reading performance, with range up to 15 cm with cards and tags AcuProx line. Due to its size, is indicated mainly for internal use in several controllers, clocks, turnstiles and other similar equipment in Applications access control. Allows three communication interfaces: RS-232 TTL, Wiegand 26 bits and ABA TK2. Thus, the Reading Module AP-09 is a smart and simple solution for most Applications for radio frequency identification.

Data Formats

Serial ASCII (TTL RS-232)

Baud rate: 9600 bps, no parity, 8 data bits, 1 stop bit.

STX (02 HEX) DATA (10 ASCII CHARACTERES) CR (0D HEX) LF (0A HEX) ETX (03 HEX)

Emulação Magstripe (ABA Track 2)

Velocidade: simulada a 40 IPS (polegadas por segundo)

10 LEADING ZEROS	SS	DATA (14 DIGITS)	ES	LRC	10 TRAILING ZEROS
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Wiegand (26 bits)

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0	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
Р	S	S	S	S	S	S	S	S	C	С	C	С	C	C	C	C	C	C	C	C	С	C	С	С	Р
	Ε	Е	Е	Е	Е	Е	Ε	Е	Е	Ε	Ε	Ε	0	0	0	0	0	0	0	0	0	0	0	0	
	Summed for even Parity (E)											Su	mme	ed fo	or od	d Pa	rity (O)							

Technical Specifications

Power	5 to 13,5 VDC, tipically with 12V DC
Consumption	60 mA @ 12 VDC
Communication Interfaces	Wiegand 26 bits, Magstripe (ABA TK2), Baud Serial ASCII (TTL RS-232)
Reading Range*	Up to 9 cm, with an AcuProx Card ISO Up to 12 cm, with an AcuProx Card Up to 15 cm, with an AcuProx Card HP
Frequency of operation	LF - 125 kHz
Modulation	ASK
Protocol	ISO 11784/85
Transponder	Only reading cards and tags AcuProx
Dimensions	78 x 43 x 29 mm
Weight	80 g
Operating Temperature	-25° to 65°C
Protection degree	Not apply. (OEM Module)
Installation	Embedded in equipment

^{*} Considering power regulated and stabilized 12V DC installation electromagnetic noise-free environment and without the presence of metal surfaces near the reader source.

• Dimensions [mm]

