AP-30 RFID Reader

The AP-30 is part of AcuProx Reader product line for access control. It is suitable for applications that use cards and tags operating at 125 kHz. Presents modern design, which allows its use both internally and externally, attached to the wall. Its highlight their reading distance of up to 40 cm.

Purchase Code: 500.175

• Features

Compact and robust, the AP-30 Reader readings achieves up to 40 cm with a custom AcuProx line. With modern design, built in high strength ABS, it is possible their use both internally and externally, ie, depending on the application, the reader can be attached to the wall without compromising the appearance of the environment, or can be embedded inside the turnstiles , controllers, clocks and many other applications involving access control. Presents three communication interfaces on the same product: TTL RS-232, Wiegand 26 bits and ABA TK2.

• Technical Specifications

Power	5 to 13,5 VDC, typically with 12 VDC
Consumption	65 mA @ 12 VDC
Communication Interfaces	Wiegand 26 bits, Magstripe (ABA TK2) and Serial TTL RS-232
Reading Range*	Up to 25 cm, with an AcuProx ISO Card Up to 22 cm with an AcuProx Card Up to 40 cm, with an HP AcuProx Card
Frequency of operation	LF - 125 kHz
Modulation	ASK
Protocol	ISO 11784/85
Transponder	Only reading cards and tags AcuProx
Dimensions	63 x 104 x 20 mm
Weight	240 g
Operating Temperature	-25° to 65°C
Humidity	10% to 90% (non-condensing)
Protection degree	Not apply
Installation	External surfaces or 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.

• 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

Wiegand (26 bits)

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
P	S	S	S	S	S	S	S	S	S	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	P
	E	E	E	E	E	E	E	E	E	E	E	E	E	O	O	O	O	O	O	O	O	O	O	O	
	Summed for even Parity (E)												Summed for odd Parity (O)												

• Dimensions [mm]

32
ø6
104
83
20
63

Rev. A.0

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