AcuraGlobal®
The Identification Company

AP-25 RFID Reader

The AP-25 is part of AcuProx Reader product line for access control. It is suitable for applications that use cards and tags operating at 125 kHz. It features modern design, which allows its use both internally and externally, attached to the wall or metal surface.

Purchase Code: 500.174

• Features

Compact and robust, the AP-25 Reader readings reaches up to 30 cm away. Its modern design allows both internal and external use, 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. Can be placed directly on metal surfaces keeping their distance from the nominal reading.

• Technical Specifications

Power	5 a 13,5 VDC, tipically with 12V DC
Consumption	65 mA @ 12 VDC
Communication Interfaces	Wiegand 26 bits, Magstripe (ABA TK2), Serial TTL RS-232
Reading Range*	Up to 11 cm, with an AcuProx Card ISO Up to 13 cm, with an AcuProx Card Up to 17 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	120 x 46 x 22 mm
Weight	160 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]

120

46

22