AP-60 RFID Reader

The AP-60 reader is part of AcuProx product line for access control. It is suitable for applications that use cards and tags 125 kHz. Reach a reading distance of 42-60 cm with cards AcuProx. The sturdy structure, developed in ABS, makes the AP-60 ideal for external applications.

Purchase Code: 500.176

Features

The AP-60 is a reader of reduced dimensions compared to their reading performance. It has wide supply range (5 to 13,5 VDC), self-tuning and internal relay that can be activated via the serial interface, adapting to the specific needs. The same device can be configured to meet the most common interfaces, including 26-bit Wiegand, Magstripe, serial RS-232C and RS-485. Among the various applications include: access control, parking system, reading applications through walls or any application that requires reading large distances.

Technical Specifications

Power	5 to 13,5 VDC, tipically with 12 VDC
Consumption	350 mA @ 12 VDC
Communication Interfaces	Wiegand 26 bits, Magstripe (ABA TK2), Serial RS-232C and RS-485
Reading distance*	Up to 42 cm, with an AcuProx Card ISO Up to 48 cm, with an AcuProx Card Up to 60 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	210 x 210 x 28 mm
Weight	900 g
Operating temperature	-10°C to 60°C
Humidity	10% to 90% (non-condensing)
Protection degree	Not apply
Installation	External surfaces

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

Data Structure

Serial RS-232C
Speed: 9600 bps, no parity, 8 data bits, 1 stop bit.

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

Magstripe Emulation (ABA Track 2)
Speed: 40 IPS simulated (inches per second)

SEQ. OF 10 ZEROS	SS	DATA (14 DIGITS)	ES	LRC	SEQ. OF 10 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	O	O	O	O	O	O	O	O	O	O	O	O	
	Bits (E) for calculating the Parity (P) Couple												Bits (O) for calculating the Parity (P) Odd												

Dimensions [mm]

28

210

210

Ø 4