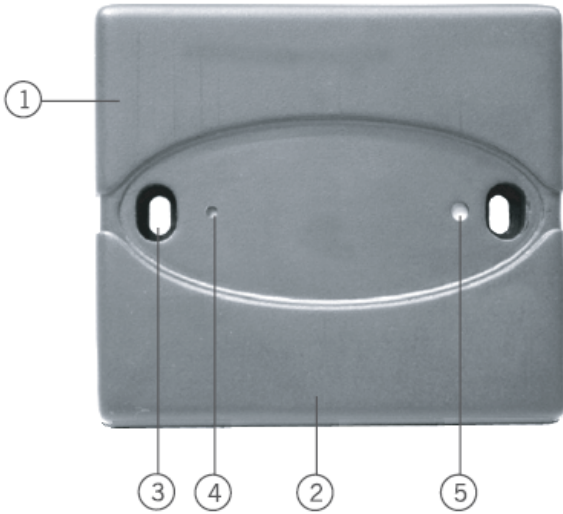


EPROX WG34

Proximity reader.



TECHNICAL DATA	
Reading system	By proximity
Operating range	5cm aprox
Power supply	12Vdc (9-21V)
Stand by /operating consumption	68mA / 110mA (proximity to metals or between readers affects consumption)
Compatibility	MOTION and Myfare proximity
Operating frequency	13,56MHz
Wiring	6 wires (shielded-type recommended)
Cable section to 100/150/200m	0.22/0.35/0.5mm ² (category 5 recommended)
Watertight	IP66
Operating temperature	-20°C / +55°C
Dimensions	84x75x14mm
Protocol	Wiegand 34 / Wiegand 26 without site code / Central Online (Bus-S) / BUS-L
Operations	Read / Write MOTION cards and Reading of Myfare cards

OPERATING

By bringing the element close to the reading zone, the reader will send a signal to the connected decoder and the pilot light will give a signal. The pilot light on the reader will flash until confirmation is received from the receiver.

The equipment is able to operate with four different communications protocols. Once the equipment is switched on, the LED will indicate the protocol to be configured in the reader

Protocol	LED indications
Wiegand 34	Flashing green
Wiegand 26 sin site code	Flashing red
Motion (Bus-L)	1 / 2 / 3 or 4 red flashes corresponding to the channel number configured
Online Control unit (BUS-S)	1 / 2 / 3 or 4 green flashes corresponding to the channel number configured

INSTALLATION

The reader consists of two elements: a compact box (1) with the front panel of plastic and the wiring output on the rear panel, and a beauty sticker (2). It is designed for situate directly on the wall or embedded. The fixing is made by means of two screws (3), separated 60 mm between them (ideal separation if you want to embed it in one standard switching box). The sticker must be situated on the 2 position of the figure, assuring that the led (5) is visible across the sticker window. Before situating the sticker, screw and configure the reader.

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This reader can be installed into different types of surfaces, also into metallic surfaces, due to the automatic adjustment of the frequency without the need of the installer intervention.

CONNECTION

La conexión se realiza a través del cable que sale de la parte posterior, el cual se conecta directamente a un decodificador MOTION (+, -, L) o a una central Wiegand (+, -, DO, D1, Control LED) o Central Online (Bus S) (+, -, S).

Signal	Cable colour
+	red
-	black
L	blue
DO / S	green
D1	white
Control LED	brown

CONFIGURATION

The proximity reader can be configured for work under Wiegand 34 or Central Online (Bus S) or BUS-L (with channels 1, 2, 3 or 4).

Use the button (4) to configure the reader's operating mode.

WIEGAND 34 CONFIGURATION:

- Press the configuration button until the pilot light gives a series of flashing green indications. When the button is released, the pilot light will remain red. In this operating mode, the pilot light is controlled by the station through the LED Control line. The format will be 1 even parity bit + 32 code bits + 1 odd parity bit.

WIEGAND WITHOUT SITE CODE CONFIGURATION:

- Press the configuration button until the LED flashes red. Once the button has been released, the LED will remain lit red. The LED in this operating mode is controlled by the control unit through the LED Control line. The format will be 4 bit (zeros) + 20 bit code (maximum code value 1048575)

MOTION (BUS-L) CONFIGURATION:

- Press the configuration button until the pilot light gives a series of flashing green indications and keep it pressed down until the number of long red signals corresponds to the channel to be configured. For example, if you want to configure channel 2, release the button after the second long signal.

ONLINE CONTROL UNIT (BUS-S) CONFIGURATION:

- Press the configuration button until the pilot light gives a series of flashing green indications and four long red indications and keep it pressed down until the number of long green signals corresponds to the channel to be configured. For example, if you want to configure channel 2, release the button after the second long green signal. The procedure can be carried out as many times as required.

FACTORS INFLUENCING THE OPERATING DISTANCE

Orientation of the proximity key. Faulty reader power supply. Interference on the 13.56 MHz band.

EU DECLARATION OF CONFORMITY

The manufacturer **JCM TECHNOLOGIES, S.A.U.** declares that the product **EPROX WG34** complies with the relevant fundamental requirements of the RED Directive 2014/53/EU and of the RoHS Directive 2011/65/EU, insofar as the product is used correctly.

See website www.jcm-tech.com/declarations

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