

**APS 400**

**APS mini**

# WOP

*WIEGAND repeater for APS mini Plus and APS 400 systems*

*User's guide*



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## 2 Product description

The **WOP** repeater is used for strengthening a **WIEGAND** data line. It is designed for use in **APS mini Plus** and **APS 400** systems or for general use. It is supplied in a DIN rail mountable cover.



*Pic. 1: WOP repeater*

## 3 Technical features

### 3.1 Functional properties

Functional properties	Supply voltage		8 ÷ 18 VDC
	Current demand	Maximal	50 mA (12 V)
	Signalization		2x LED
	Communication interface		1x WIEGAND input 1x WIEGAND output

*Table 1: Functional properties*

### 3.2 Mechanical design

Mechanical design	Weight		0,030 kg
	Operating temperature		-10°C ÷ +45°C
	Humidity		Max. 70%, non-condensing
	Environment		Indoor
	Dimensions		62 x 43 x 18 mm

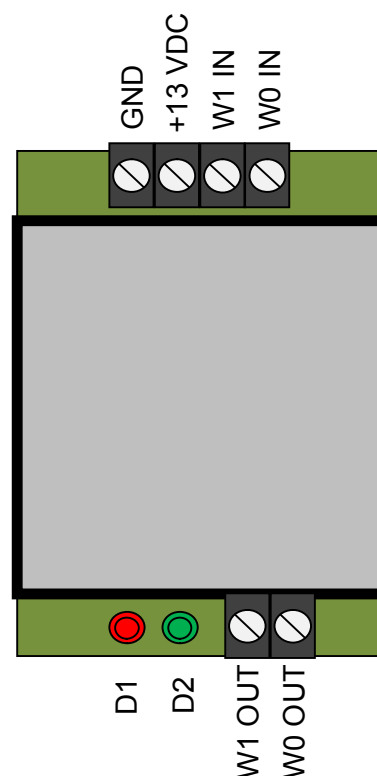
*Table 2: Mechanical design*

## 4 Installation

### 4.1 Terminals and LEDs description

Terminals and LEDs description	+13 VDC	+8 ÷ +18 VDC pow.supply
	GND	0 V
	D1	Power supply LED
	D2	Communication LED
	W0 IN	WIEGAND 0 input
	W1 IN	WIEGAND 1 input
	W0 OUT	WIEGAND 0 output
	W1 OUT	WIEGAND 1 output

Table 3: Terminals and LEDs description



Pic. 2: Terminals and LEDs

### 4.2 LED indicators description

LED	Power supply LED	D1	Repeater is being powered
	Communication LED	D2	WIEGAND data are being transferred

Table 4: LED indicators description