ACL800-PB Surface Mount RTE Push Button Installation Sheet



Description

ACL800-PB is a surface mount request-to-exit switch, it will work independently (standalone) or can equally be connected via a controller to provide exit from a secured area (Push button input). Includes a buzzer and a dual LED. ACL800-PB can work in pulse (3, 5, 10 seconds) or latch mode.

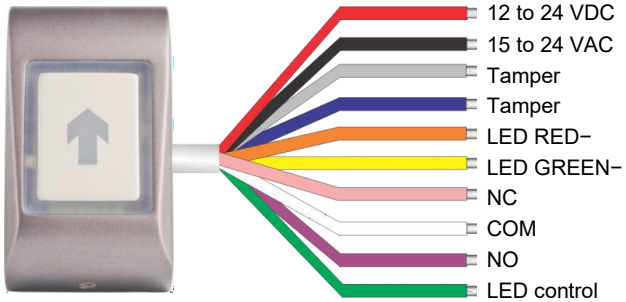
Mounting

1. Identify a suitable location on wall or flat surface.
2. Stick the drilling template provided on chosen location. Drill 3 holes as indicated in the diagram.
3. Insert 3 pieces of 5 mm wall plugs provided into the drilled holes.
4. Route the cables through the holes provided in the back plate.
5. Fix the back plate on the wall using 3 x 30 mm CSK screws
6. Connect wires.
7. After wiring, place the housing over the fixed back plate and guide the slot into the back plate tab and slide it downwards.
8. Fix the housing to the back-plate with a M3 x 6 mm security screw on the bottom of the Housing using a security screwdriver provided.

Important note: Several layers of protection are provided against transient voltages from static discharge, lightning, and power supply spikes. For protection to be fully effective, earthing should be done correctly.

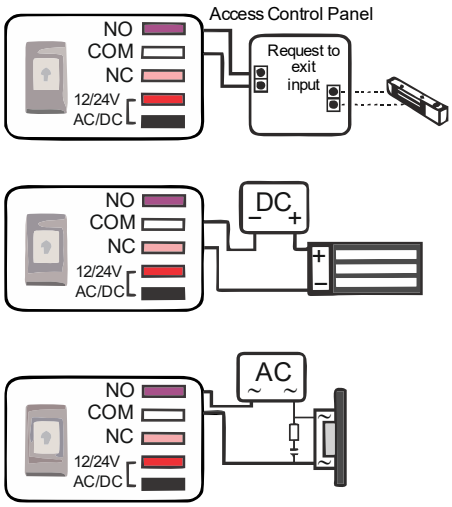
Wiring

Figure 1: Wiring instructions



1	12/24 V AC/DC	12 to 24 VDC;
2		15 to 24 VAC
3	Tamper	Tamper connection
4	Tamper	Tamper connection
5	LED RED	Red LED light
6	LED GREEN	Green LED light
7	NC	Normally closed
8	COM	Common
9	NO	Normally open
10	LED Com	LED Common

Figure 2: Application diagram



DIP Switch settings

Set Relay Timer –DIP switch pos. 1 and 2



Operation	Switch 1	Switch 2
Latch Mode (ON/OFF Mode)	ON	ON
10 seconds	ON	OFF
5 seconds	OFF	ON
3 seconds	OFF	OFF

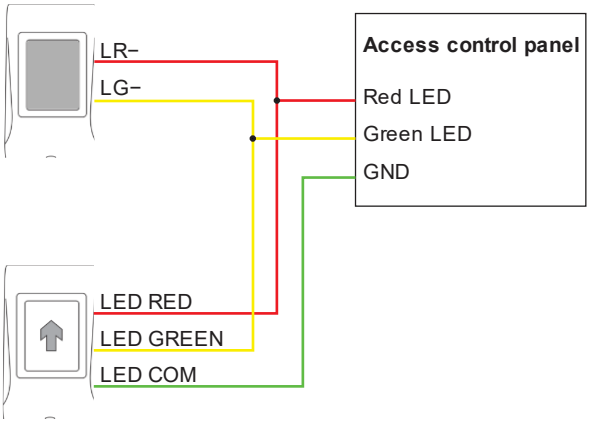
Buzzer and LED Control – 4pos. DIP switch



1. Buzzer ON/OFF
2. Backlight in idle mode ON/OFF
3. LED Control - Internal or external (via LED wires)
4. Default state – State of the Controller's input for the LEDs

SW3 (Buzzer)	SW4 (Backlight)	SW5 (LED Control)	SW6 (Default state)	Relay	Yellow Wire (Green LED)	Orange Wire (Red LED)	Backlight
ON – Buzzer ON							
OFF– Buzzer OFF							
	OFF	OFF		ON			Green
				OFF			No light
	ON	OFF		ON			Green
				OFF			
Default High							
	ON	ON	OFF		Hi	Hi	Orange
					Low	Hi	Green
					Hi	Low	
					Low	Low	No light
	OFF	ON	OFF		Hi	Hi	No light
					Low	Hi	Green
					Hi	Low	
					Low	Low	Orange
Default Low							
	ON	ON	ON		Hi	Hi	No light
					Low	Hi	
					Hi	Low	Green
					Low	Low	Orange
	OFF	ON	ON		Hi	Hi	Orange
					Low	Hi	
					Hi	Low	Green
					Low	Low	No light

External LED control



Note: The LED light can be controlled internally or externally (by LED wires). If switch 3 is OFF then the control of the light is left to the device itself. If switch 3 is ON, then the LED light is controlled by the device where the LED wires are connected.

Switch 4 defines the default state of the device, where the LED wires are connected. Default Low is GND and default high is 12 V or open.

Example of externally controlled LED light, where the exit button's light follows the reader's light.

Specifications

Supply voltage	12 to 24 VDC; 15 to 24 VAC
Current requirements	65 mA at 12 VDC, 35 mA at 15 VAC
Relay Output	2 A at 24 VDC, 120 VAC
Relay time	Pulse and latch mode
Buzzer	Yes
LED	Dual Normal: red, relay operation: green
LED control	Yes, by DIP switch
Tamper	Yes
Backlight ON/OFF	Yes, by DIP switch
Panel connection	Cable,1 m
Material of housing: Sliver, Charcoal and White Black	 Molded aluminum ABS
Dimensions (W x H x D): Sliver, Charcoal and White Black	 51 x 92 x 25 mm 51 x 92 x 27 mm
Operating temperature	−20 to +50°C
Relative humidity	0 to 95% noncondensing
IP rating	IP65
Color	-S = Silver, -G = Charcoal, -W = White
Shipping weight	295 g
Product weight	163 g

Regulatory information

Manufacturer	KGS Fire & Security B.V. Kelvinstraat 7, 6003 DH Weert, Netherlands

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P/N 1073501-EN • REV C • ISS 17JUL25