

Fire detection and evacuation solutions that save lives.

ACP-07

Waterproof Conventional Manual Call Point



Features

- High visibility indication in alarm condition
- IP67 Rated
- Easy and economical installation
- Visible in the dark via the unique luminescent resettable element
- Six configurations in one unit design for reduced inventory holding
- Extremely easy to reset via the robust twist and set key system
- Surface mount and flush mount options available
- High impact resistant ABS plastic material
- Available in blue, green, yellow and white
- 3 Compression gland knock outs - 2 top and 1 bottom

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Description

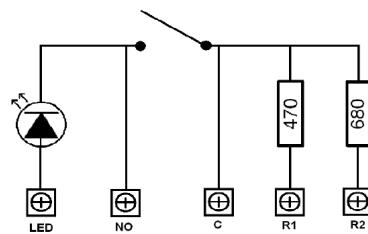
The Ampac ACP-07 is a resettable manual call point with unique and innovative features. It has been designed to obtain maximum visibility, high reliability in operation incorporating a pleasant aesthetic appearance and is fully approved to EN54-11.

Six modes of operation are achievable simply by choosing the appropriate internal connection terminals. All these configurations are easily accessed via the screw terminals. The internal printed circuit board is fully enclosed and protected and incorporates a current limiter that maintains a steady supply to the LED.

The ACP-07 is easily reset using the special key provided that allows a simple twist action to restore the call point to its normal operating condition. The same key is used to access the electrical connection.

The ACP-07 is supplied in a choice of either flush or surface mount options. Once fitted the front operating element simply snaps into place and is released using the dedicated test and removal tool supplied with each unit. There is the provision of two cable entry knockouts on the rear plus 2 x 3 pre-marked location points on the top and bottom of the surface mount back box.

Connections



On the back of the call point there are 5 screw terminals connected to the internal PCB. Depending on where the external cables are connected, the call point provides a series resistor, activates an internal LED or can simply provide a closing contact. Connecting the +IN cable to the terminal marked LED the call point, when operated, will switch on the internal red LED. Alternatively, connecting to the NO terminal, the LED will not operate. There are three different options for connecting the -OUT wire. Connecting to the C terminal provides a clean contact without any series resistor (*). Choosing either the R1 or R2 terminals incorporates a series resistance, where R1 is a $470\ \Omega$ (5% - 2 W) and R2 is a $680\ \Omega$ (5% - 2 W). The table below details the different connection options:

	LED	NO	C	R1	R2S
Switch		+IN	-OUT		
LED+Switch	+IN		-OUT		
LED+Switch+R1	+IN			-OUT	
Switch+R2		+IN			-OUT
Switch+R1		+IN		-OUT	
LED+Switch+R2	+IN				-OUT

Important Note: Please note that incorrectly connecting the power supply directly between the "LED" and "NO" terminals can damage internal components, as the power supply will be directly applied to the LED. Carefully check your connections before applying power.



Technical Information

Mounting:	Surface Mount
Maximum Voltage:	30 Volt
Minimum Voltage*:	4.5 Volt if LED with R1 is chosen 6.0 Volt if LED with R2 is chosen
Current Rating (Non-operated):	0 mA
Current Rating (operated):	18 mA @12 Volt - R1 13 mA @12 Volt - R2 45 mA @24 Volt - R1 31 mA @24 Volt - R2
Resister Values	
R1 470Ω	
R2 680Ω	
Cable Termination:	0.5 - 2.5 mm ²
Operating Temperature:	-30 / +70 °C
Humidity:	0 - 95 %
IP rating:	67
Material:	ABS / P glass fibre

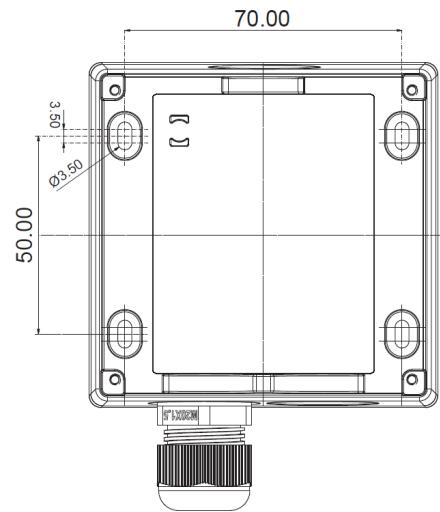
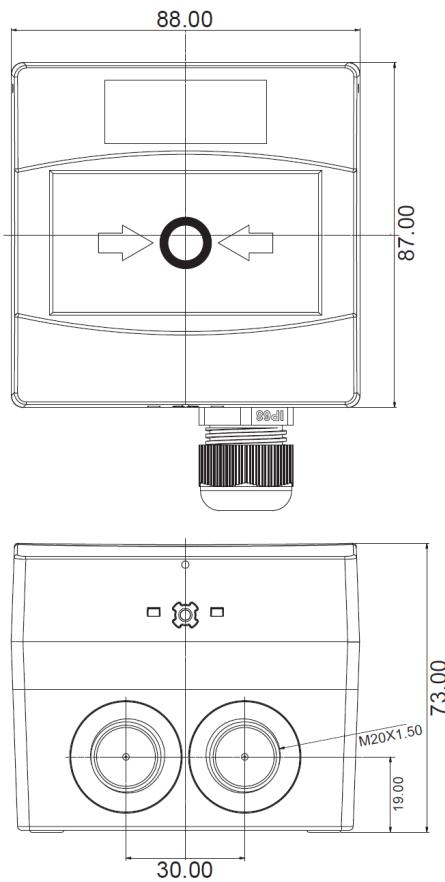
*Below minimum voltage led current is lower than 7 mA

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Dimensions

Surface Mount



Item Numbers

Surface Mount

4105-1031 Red Waterproof (Fire Symbol) Conventional MCP

4105-1032 Yellow Waterproof Agent Release Conventional MCP

4105-1033 White Waterproof Emergency Alarm Conventional MCP

4105-1034 Green Waterproof Door Release Conventional MCP

4105-1035 Blue Waterproof Conventional MCP

4105-1038 White Waterproof Evacuate Conventional MCP