Product Data Sheet: **SyCALL R6847L** Manual Call Point - EN54-11 Approved

Description

SyCALL is a resettable manual call point with unique and innovative features. It has been designed to obtain maximum visibility, high reliability in operation and pleasant aesthetical 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 SyCALL 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.

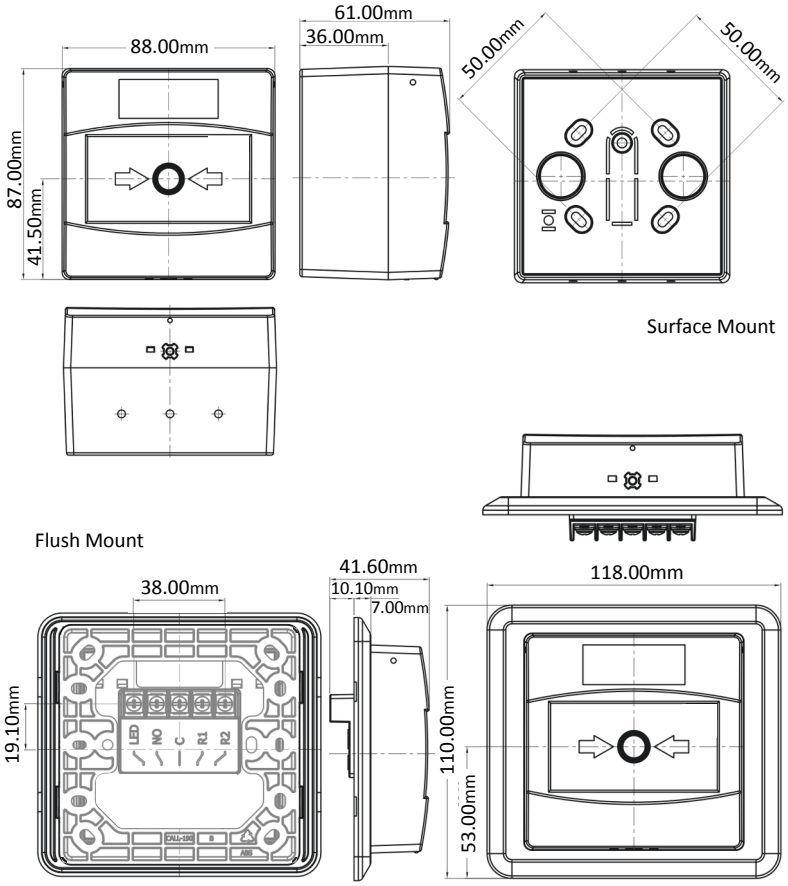
The SyCALL is supplied in a choice of either flush or surface mount options. Once fitted the front operating element simply snaps into place and is released using the dedicated test and removal tool supplied with each unit.

There is the provision of two cable entry knockouts on the rear plus 2 x 3 pre-marked location points on both top and bottom sides of the surface mount back box.

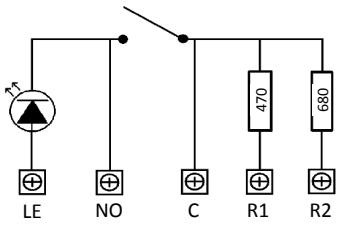
Technical Information

Part No.	**308-033**	**308-042**
Mounting:	Surface Mount	Flush 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): Resister Values R1 470Ω R2 680Ω	18 mA @12 Volt - R1 13 mA @12 Volt - R2 45 mA @24 Volt - R1 31 mA @24 Volt - R2	
Cable Termination:	0.5 - 2.5 mm²	
Operating Temperature:	-30 / +70 °C	
Humidity:	0 - 95 %	
IP rating:	42	
Material:	ABS / P glass fibre	
*Below minimum voltage led current is lower than 7 mA		

Dimensions



Connections



On the back of the call point there are 5 screw terminals connected to the internal PCB. Depending on where the wires are connected, the call point provides a series resistor, activates an internal LED or can simply provide a closing contact. If you choose to connect the +IN cable to the terminal marked LED the call point, when operated, will switch on the internal red LED. Alternatively if you connect 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 _ (5% - 2 W) and R2 is a 680 _ (5% - 2 W). The table below confirms the different connection options:

	LED	NO	C	R1	R2
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

(*) the current must be limited to 10 mA to avoid LED damages.

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.

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