

Product Data Sheet: SyCALL Weatherproof Manual Call Point



Description

The SyCALL Weatherproof Call Point includes all the features of the standard call point plus the operating capability to withstand difficult environmental conditions such as rain, high humidity and dust. The SyCALL Weatherproof Call Point is compliant to the EN54-11 standard and is IP67 rated.

The SyCALL Weatherproof Call Point retains the standard SyCALL features within a rugged weather-sealed moulded enclosure. The extended housing provides for symmetrical fixings on the front face of the unit and contributes to its physical protection for reliable operation.

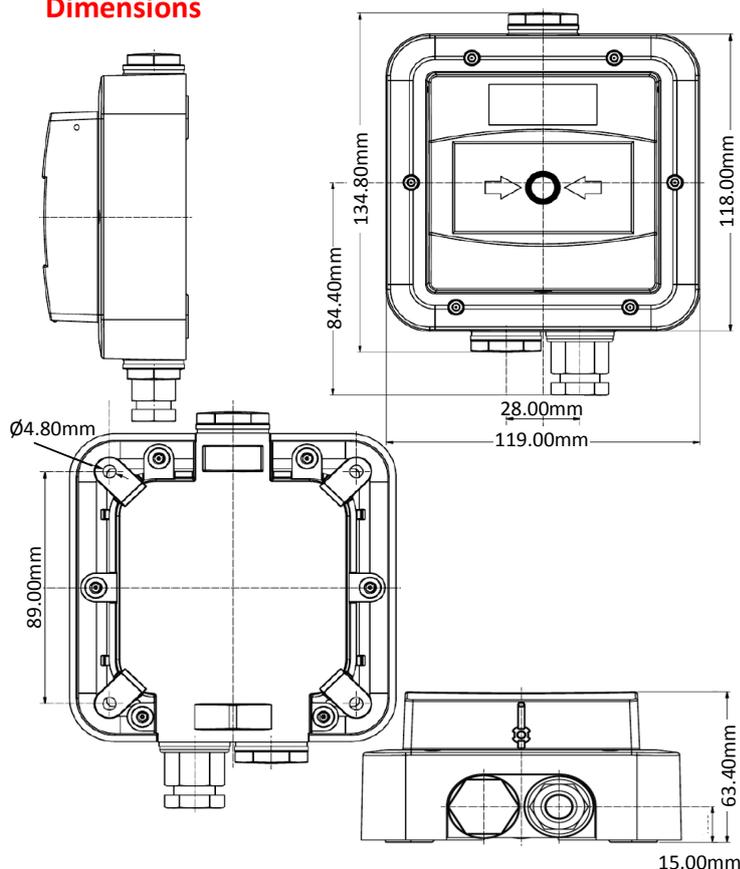
Internally the front moulding is sealed to the rear surface box by an 'O' ring that is securely compressed and held in place by the screw fixings. Easy access to the choice of terminals is maintained for installation and maintenance.

A unique feature of the SyCALL Weatherproof Call Point is the provision for cable entry from both top and bottom via 20mm PG glands.

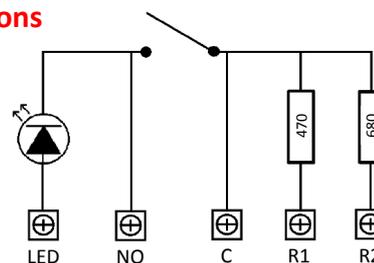
Technical Information

Part No.	308-038
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
Resistor Values	45 mA @24 Volt - R1 31 mA @24 Volt - R2
Cable Termination:	20mm x 3 PG Glands
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	

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 Ω (5% - 2 W) and R2 is a 680 Ω (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.