

Weatherproof Analogue Addressable Manual Call Point with Short-Circuit Isolator

ST-ACW-SCR



Features

- ▶ Fast response
- ▶ Integral short-circuit isolator
- ▶ Bi-coloured status LED
- ▶ Non-frangible element fitted as standard (conforms to EN54)
- ▶ Addressed with ST-HHP Hand Held Programmer
- ▶ Surface mounted
- ▶ IP67 rated
- ▶ LPCB approved to EN54
- ▶ SIL Level 2 approved variants available

Description

Model ST-ACW-SCR is a weatherproof Manual Call Point with integral short-circuit isolator, which is fully compatible with the ESP analogue addressable protocol.

The unit incorporates a bi-coloured LED, which can be selected as pulsing/non-pulsing^{*1} for communications polling and is continuously lit when the ST-ACW-SCR is operated – in these two states the LED will show red. The LED will show amber when a short-circuit is present but will switch to red if the unit is activated. The unit operates by pressing the EN54 compliant non-frangible (plastic) element and produces a high level ESP interrupt. A built in test function initiated by the control panel ensures the integrity of the device at all times and the device can be tested by insertion of a test key in the underside of the unit. Two terminal blocks are provided for easy connection to the loop wiring.

The unit is addressed using the ST-HHP Hand Held Programmer for quick and reliable addressing. An optional glass element is also available.

Specification	
Ordering Code	ST-ACW-SC
Operating Voltage	17 – 41 VDC
Low Power Mode	180 μ A (max), 100 μ A (typ)
Quiescent Current	350 μ A (max), 250 μ A (typ)
Alarm Current	10.0 mA (max), 5 mA (typ)
Resistance in positive	100 m Ω when closed (max), 100 k Ω when open (min)
Short-circuit threshold (typ)	430 Ω
Transmission Method	Digital Communication Using ESP
Operating Temperature Range	-10 °C to + 50 °C
Storage Temperature Range	-30 °C to + 70 °C
Maximum Humidity	95%RH - Non Condensing (at 40 °C)
Ingress Protection Rating	IP67
Colour / Case Material	Red / Modified Polyphenylene Oxide
Weight (g) / Dimensions (mm)	234 / W98 x H94 x W78

^{*1} Fire alarm control panel compatibility is required for this feature.