

MARINE HCP-EM(SCI)

Your Safety, Our Technology

Marine Approved Analogue Addressable Manual Call Point with Short-Circuit Isolator

Features

- ▶ Approved to MED by GL
- ▶ SIL Level 2 approved variant available
- ▶ Ideal for use in oil and gas environments
- ▶ Fast response
- ▶ Integral short-circuit isolator
- ▶ Bi-coloured status LED
- ▶ Non-frangible element fitted as standard (conforms to EN54)
- ▶ Addressed with TCH-B200 Hand Held Programmer
- ▶ Surface or flush mounting (if surface mounting, requires SR MOUNTING BOX – sold separately)
- ▶ LPCB Approved to EN54



Description

Model HCP-EM(SCI) is a Manual Call Point with integral short-circuit isolator, which is fully compatible with Hochiki's 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 unit 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 TCH-B200 Hand Held Programmer for quick and reliable addressing. The unit can be flush mounted as supplied. For surface fixing a suitable back box such as the SR MOUNTING BOX is required (sold separately). An optional glass element is also available.

Specification

Operating Voltage	17 – 41 VDC
Low Power Mode (typ)	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 $^{\circ}$ C to + 50 $^{\circ}$ C
Storage Temperature Range	-30 $^{\circ}$ C to + 70 $^{\circ}$ C
Maximum Humidity	95% RH - Non Condensing (at 40 $^{\circ}$ C)
Ingress Protection Rating	IP24
Colour / Case Material	Red / Modified Polyphenylene Oxide
Weight (g) / Dimensions (mm)	(Flush Unit) 110 / W 89 x H 93 x D 27.5
	(With Surface Mount Back Box) 161 / W 89 x H 93 x D 59.5

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

Ordering Codes

Product

Marine Approved Analogue Addressable Manual Call Point with Short-Circuit Isolator

Call point Back Box (required for surface fixing – sold separately)

Part Number

HCP-EM(SCI)

SR MOUNTING BOX

Approvals

