

# 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 µA (max), 100 µA (typ)                               |
| Quiescent Current             | 350 µA (max), 250 µA (typ)                               |
| Alarm Current                 | 10.0 mA (max), 5 mA (typ)                                |
| Resistance in positive        | 100 mΩ when closed (max), 100 kΩ 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     | 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

