

## Product Description

The CAST CA470/CON addressable manual call point is compatible with Context Plus's CAST ZFP/XFP panels and other 'CAST' compatible fire panels.

The call point has the following features:

- Fully compliant with EN 54-11 and EN 54-17.
- Programmed and addressed via the fire panel, or CAST Hand-Held Programmer (CAPROG).
- On-board, bi-directional, short-circuit loop isolator (SC-Isolator).
- Can be either surface or flush mounted.
- Resettable plastic element, therefore glass does not need to be replaced.
- Supplied with combined test/removal key.

The following part is available:

Part No.	Description
CA470/CON	Addressable Universal Manual Call Point, Red (CAST) supplied with Flush Mounting Plate

## Installation

Ensure the call points are installed in accordance with applicable local and/or national regulations. Use the combined test/removal key to remove the call point's front and access the unit's fixings.

For surface mounting, fit the back box (supplied) to a wall using 4 x screws (supplied) in the mounting slots provided. Run the loop cables into the back box. Two cable knockouts are provided on the rear, plus 2 x 3 pre-marked points on both the top and bottom of the back box.

For flush mounting, use the supplied flush mounting plate with a suitable single gang, back box, e.g. RS Stock No. 776-8429.

## Operation

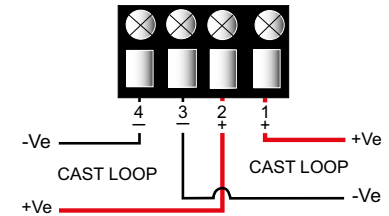
Press anywhere in the target area to activate and a red alarm ring LED will illuminate the call point's face to confirm a signal has been sent. When activated, a reflective yellow and black striped indicator appears at the bottom of the operating window. The photoluminescent operating window will remain visible for up to 5 minutes in poor lighting conditions. Reset the call point using the combined test/removal key (supplied).

## Connections

Ensure all wiring conforms to applicable local and/or national regulations.

Use the combined test/removal key (supplied) to remove the call point's front cover and access the electrical connections. The call point has a fixed, loop connector block comprising four terminals (2 x Loop In and 2 x Loop Out) that can accept 0.25 mm<sup>2</sup> to 2.5 mm<sup>2</sup> fire rated cable. Correct polarity must be observed.

CA470/CON Terminal	Function
1 +	+Ve
2 +	+Ve
3 -	-Ve
4 -	-Ve



## Technical Specification

<b>Description:</b>	CA470/CON Addressable Manual Call Point, Surface Mounted, Red
<b>Certified Standards:</b>	EN 54-11:2001 + A1:2005 (Manual call points); EN 54-17:2005 (Short-circuit isolator)
<b>LPCB Certificate Number:</b>	176h *
<b>LPCB Reference Number:</b>	176h/01 *
<b>CPR Certificate Number:</b>	2831-CPR-F4646 *
<b>Declaration of Performance (DoP):</b>	DoP0000082 *
<b>Communication Protocol:</b>	CAST
<b>Operating Voltage:</b>	22-40 Vdc (loop powered)
<b>Quiescent Current:</b>	370 µA
<b>Active Current (Typical):</b>	< 5.0 mA
<b>LED Indicator:</b>	Steady Red (when operated); Flashing Red (when polling)
<b>Dimensions (W x H x D):</b>	88 x 87 x 61 mm (surface type); 118 x 110 x 42 mm (flush type)
<b>Weight:</b>	160 g (flush type); 180 g (surface type)
<b>Material:</b>	ABS polycarbonate and glass fibre window
<b>IP Rating (EN 60529):</b>	IP42 (indoor use only)
<b>Operating Temperature:</b>	-10°C to +55°C
<b>Humidity:</b>	Maximum 95% RH (non-condensing)

\* Certificates and DoPs available for download on Context Plus's website

### EN 54-17 SC-Isolator Specification (Controllable Isolator)

<b>Maximum Loop Voltage (V max):</b>	40 Vdc
<b>Nominal Loop Voltage (V nom):</b>	40 Vdc
<b>Minimum Loop Voltage (V min):</b>	22 Vdc
<b>Maximum Current Device Isolates, switches from closed to open (I<sub>so</sub> max):</b>	55 mA
<b>Minimum Current Device Isolates, switches from closed to open (I<sub>so</sub> min):</b>	15 mA
<b>Maximum Rated Continuous Current with switch closed (I<sub>c</sub> max):</b>	1 A
<b>Maximum Rated Switching Current under short circuit conditions (I<sub>s</sub> max):</b>	1.6 A
<b>Maximum Leakage Current with switch open (I<sub>L</sub> max):</b>	20 µA
<b>Maximum Series Impedance with switch closed (Z<sub>c</sub> max)</b>	100 mohms

Context Plus Ltd, Progress House, Newby Industrial Estate, Newby Road, Hazel Grove, Stockport, SK7 5DA, United Kingdom.  
E&OE. No responsibility can be accepted by the manufacturer or distributors of these devices for any misinterpretation of this instruction, or for the compliance of the system as a whole. The manufacturers policy is one of continuous improvement and we reserve the right to make changes to product specifications at our discretion and without prior notice.