

# DATASHEET - CP 150 Ex MANUAL CALL POINT

AUDIBLE & VISUAL SIGNALLING EQUIPMENT



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## DESCRIPTION - CP 150 Ex MANUAL CALL POINT "BREAK GLASS"

This manual call point «break glass» is certified for use in Atex/explosive atmosphere, zone 1 & 2 for gas and zone 21 & 22 for dust. It is dedicated for Oil & Gas, chemical, petrochemical, pharmacy industries, marine and Offshore applications. It's designed for corrosive environments and hazardous area.

The apparatus is compatible with PLC, ESD, DCS systems via output 4-20mA. The test function is built in, visualisation functions, line detection, glass protection and hammer are optional.

Housing is moulded in Glass-Reinforced Polyester (GRP), dyed in the mass and protected by an UV resistant paint.

A complete range of accessories is available to customize a products.  
(see accessories annex)



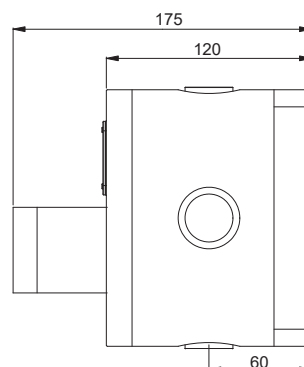
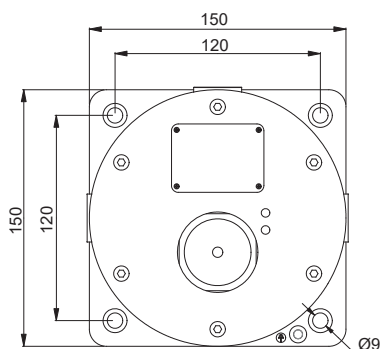
- zone 1 & 2
- zone 21 & 22

## PRODUCT CODE CONFIGURATOR

| SWITCH           | DUTY LABEL | TAG LABEL  | LED INDICATOR   | FEATURES        | CABLE ENTRY     | FINISH COLOUR         |
|------------------|------------|------------|-----------------|-----------------|-----------------|-----------------------|
| SINGLE = 1 X C/O | Y<br>= YES | Y<br>= YES | L = RED & GREEN | F = LIFT FLAP   | A<br>= M20      | RD = RED              |
|                  |            |            | R = RED         | R = RESISTOR    | B<br>= M25      | YW = YELLOW           |
| DOUBLE = 2 X C/O | N<br>= NO  | N<br>= NO  | G = GREEN       | D = DIODE       | C<br>= 1/2" NPT | BU = BLUE             |
|                  |            |            | N = NO LED      | N = NO FEATURES | D<br>= 3/4" NPT | BL = BLACK            |
|                  |            |            |                 |                 |                 | OR = OTHER ON REQUEST |

ADD THE CODES RELATED TO THE FEATURES REQUIRED TO CP 150:

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|



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# DATASHEET - CP 150 Ex MANUAL CALL POINT

## AUDIBLE & VISUAL SIGNALLING EQUIPMENT

### TECHNICAL DATA

|                                    |                                                                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| MATERIAL                           | • <b>ENCLOSURE:</b> Glass-Reinforced Polyester (GRP)                                                                            |
| COLOUR                             | • <b>RED</b> : RAL 3001 - <b>YELLOW**</b> : RAL1018 - <b>BLUE**</b> : RAL5005 - <b>BLACK**</b> : RAL9005                        |
| INGRESS PROTECTION                 | • IP66/67                                                                                                                       |
| AMBIENT TEMPERATURE FOR OPERATION  | • <b>T6</b> = - 40°C ~ + 55°C , <b>T5</b> = - 40°C ~ + 60°C, <b>T4</b> = - 40°C ~ + 70°C                                        |
| CERTIFICATION                      | • <b>Nemko</b> 13 ATEX 1564X, IECEx NEM 13.0034X                                                                                |
| EX CODE                            | •  II 2 GD Ex d IIC T6 Gb,<br>Ex tb IIIC T85°C |
| STANDARD                           | • EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31                                                                         |
| ATEX AREA ZONE                     | • <b>Gas zone:</b> 1 & 2 <b>Dust zone:</b> 21 & 22                                                                              |
| AMBIENT HUMIDITY*                  | • until 95% with ice*                                                                                                           |
| RATED IMPULSE WITHSTAND VOLTAGE    | • 1 kV according to IEC 61000-4-5                                                                                               |
| CONTACT TYPE                       | • 1x C/O or 2x C/O (1)                                                                                                          |
| CONVENTIONAL THERMAL COURANT (Ith) | • AC 125/250 V (50/60Hz) = 11A***; 30V DC = 6A***; 125 V DC = 0,3A***; 250 V DC = 0,6A***                                       |
| MINIMUM VOLTAGE AND COURANT        | • DC 5V 10mA                                                                                                                    |
| SHORTS CIRCUIT PROTECTION          | • 10 A gG                                                                                                                       |
| CABLES ENTRY                       | • 4 x M20, M25**, 1/2" NPT**, 3/4" NPT** or other** (Specify)                                                                   |
| TERMINAL                           | • From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²                                                                                  |
| NET WEIGHT                         | • 4.2 Kg                                                                                                                        |
| LINE RESISTOR**                    | • 470 Ohms**                                                                                                                    |
| SIGNALLING LED**                   | • <b>Green</b> U =24VDC I= 10 mA ; <b>Red</b> U=24V DC I = 20mA                                                                 |

\* = without runoff - \*\* = optional - \*\*\* = resistive load - cable gland and blind plug not provided