Ex-tech® SIGNALLING

Datasheet > Audible & visual signalling equipment

CP 150 EX manual call point

SIL2 compliant as IEC 61508 & IEC 61511



The flameproof CP150 manual call point is ATEX / IECEx / UKEX certified for use in potentially explosive atmospheres. It can be used in conjunction with a fire alarm system and will activate alarms to alert personnel to potential dangers, help signal the need for immediate action in emergency situations and more. Also known as explosion proof fire alarm call point, manual call point (MCP) or “Break Glass” call point. Optional SIL2 IEC61508 certifications.

ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIC gas / vapour applications and Zone 21 and Zone 22 compliant for dust / powder applications. SIL2 compliant as IEC 61508 & IEC 61511.

Application: Oil and gas, chemical, petrochemical, pharmaceutical, marine and offshore applications.

Key features: Robust and highly reliable, this Ex manual call point (MCP) / Break Glass call point is designed for corrosive environments and hazardous areas. The housing is moulded in Glass-Reinforced Polyester (GRP), protected by an UV resistant paint. These ATEX / IECEx / UKEX compliant manual call points / “Break Glass” call points are compatible with PLC, ESD and DCS systems. The Manual Call Point is supplied with a hammer and securing chain.

Options: Visualisation functions, line detection and glass protection are optional. A range of accessories is available to customise this ATEX / IECEx / UKEX manual call point. These include pipe mounting brackets, sunshades, tag and duty labels and other accessories.

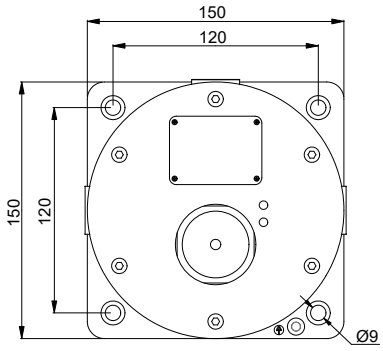
Ex Made in UK

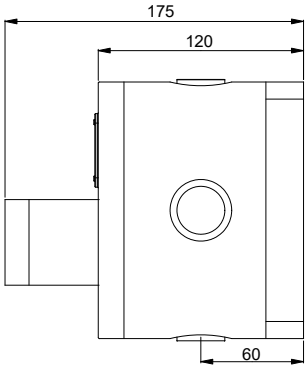












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MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)
COLOUR	• RED : RAL3001/3028 • YELLOW : RAL1018 • BLUE : RAL5005 • BLACK : RAL9005 • GREEN : RAL6032 • GREY : RAL7038 • ORANGE : RAL2010
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 70°C
CERTIFICATION	• **ExVeritas** 25ATEX2275X, IECEx EXV 25.0071X, 26UKEX2394X
EX CODE	• II 2 GD Ex db IIC T6 Gb • Ex tb IIIC T85°C Db
STANDARD	• EN IEC 60079-0:2018, EN 60079-1:2014, EN IEC 60079-31:2024
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• up to 95%
RATED IMPULSE WITHSTAND VOLTAGE	• 1kV following IEC 61000-4-5
CONTACT TYPE	• 1x C/O or 2x C/O
RATING	• AC 125/250 V (50/60Hz) =11A*** ; 30V DC = 6A***; 125 V DC = 0,3A***; 250 V DC = 0,6A***
MINIMUM VOLTAGE AND CURRENT	• DC 5V 10mA
SHORTS CIRCUIT PROTECTION	• 10 A gG
CABLES ENTRY	• 4 x M20, 1 x M25 + 3 x M20, 1 x 1/2” NPT + 3 x M20, 1 x 3/4” NPT + 3 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 3.5 Kg
LINE RESISTOR**	• 470 Ohms** • 1 watt
SIGNALLING LED**	• Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA

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

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Product	Certification	Switches	Duty label	Tag label	LED indicator	Features	Connection	Housing
CP	150	S	N	Y	L	FRD	A	RD

Product

CP = CALL POINT

Certification

150 = HAZARDOUS AREA
151 = NON-CERTIFIED

Switches

S = 1
D = 2

Duty label

Y = YES (SEE LIST)
N = NO

Tag label

Y = YES (SEE LIST)
N = NO

LED indicator

L = RED & GREEN
R = RED
G = GREEN
N = NO LED

Features

F = LIFT FLAP
R = RESISTOR(S)
D = DIODE(S)
N = NO FEATURES

Connection

A = 4 x M20 x 1.5
B = 1 x M25 x 1.5 + 3 x M20 x 1.5
C = 1 x 1/2" NPT + 3 x M20 x 1.5
D = 1 x 3/4" NPT + 3 x M20 x 1.5

Additional adaptors can be supplied as well as blanking plugs and cable glands, see below.

Housing

RD = RED (STD)
YW = YELLOW
BU = BLUE
BL = BLACK
GN = GREEN
GY = GREY
OJ = ORANGE
OR = OTHER

CONDUIT ACCESSORIES	
M20 316L St. St Exd conduit plug	SPARE3060009
M25 St. St. conduit adaptor	SPARE3060105
½" NPT St. St. conduit adaptor	SPARE3060108
¾" NPT St. St. conduit adaptor	SPARE3060107
St. St Exd cable gland 7-12mm	SPARE3060108
St. St Exd cable gland 10-16mm	SPARE3060109

CONDUIT ACCESSORIES	
M20 NPB Exd conduit plug	SPARE3060008
M25 NPB conduit adaptor	SPARE3060003
½" NPT NPB conduit adaptor	SPARE3060001
¾" NPT NPB conduit adaptor	SPARE3060002
NPB Exd cable gland 7-12mm	SPARE3060019
NPB Exd cable gland 10-16mm	SPARE3060018

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