Explosion Proof MCP Range

ZT-CP135 Ex Manual Call Point

The flameproof ZT-CP135 manual call point is ATEX / IECEx certified for use in potentially explosive atmospheres. It can be used in conjunction with a fire alarm system 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.

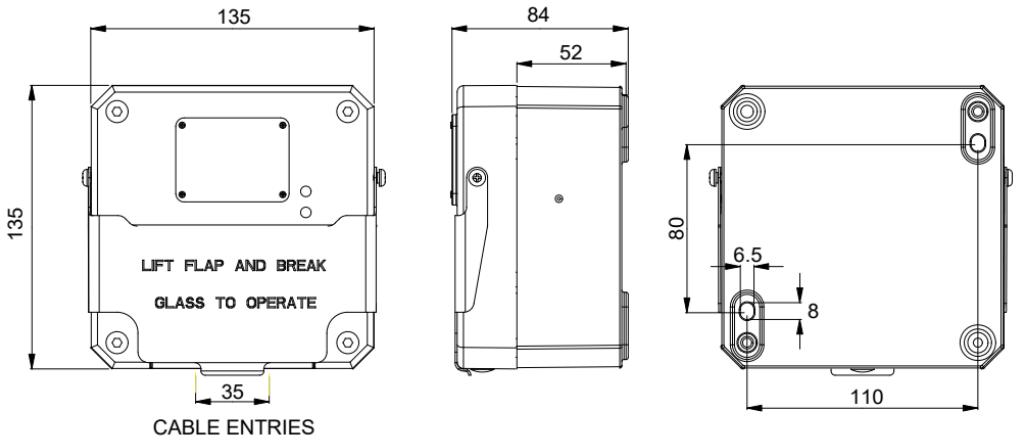
ATEX / IECEx Certification: ATEX Zone 1 and Zone 2 Certified for group IIB +H2 gas / vapour applications and Zone 21 and Zone 22 compliant for dust / powder applications.

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 compliant manual call points / “Break Glass” call points are compatible with PLC, ESD and DCS systems. There is a built in test function.

Options: Visualisation functions, line detection, glass protection and hammer are optional.

A range of accessories is available to customise this ATEX / IECEx manual call point / “Break Glass” call point. These include pipe mounting brackets, sunshades,



ZT-CP135 Ex Manual Call Point

MATERIAL	• **Enclosure:** Glass-Reinforced Polyester (GRP)
COLOUR	• RED : RAL3001/3028 • BLACK : RAL9005 • ORANGE : RAL2010 • YELLOW : RAL1018 • GREEN : RAL6032 • YELLOW WITH BLACK STRIPES : RAL1018 + RAL1005 • BLUE : RAL5005 • GREY : RAL7038
INGRESS PROTECTION	• IP66/67
AMBIENT TEMPERATURE FOR OPERATION	• **T6** = - 40°C ~ + 55°C , **T5** = - 40°C ~ + 60°C, **T4** = - 40°C ~ + 70°C
CERTIFICATION	• **Nemko** 13 ATEX 1568X, IECEX NEM 13.0038X
EX CODE	• II 2 GD Ex d IIB + H2 T6 Gb • Ex tb IIIC T85°C
STANDARD	• EN / IEC 60079-0, EN / IEC 60079-1, EN / IEC 60079-31 / EN 54-11
ATEX AREA ZONE	• **Gas zone:** 1 & 2 **Dust zone:** 21 & 22
AMBIENT HUMIDITY*	• up to 95%
RATED IMPULSE WITHSTAND VOLTAGE	• 1 kV according to IEC 61000-4-5
CONTACT TYPE	• 1x C/O or 2x C/O (1)
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	• 2 x M20, 1 x M25 + 1 x M20, 1 x 1/2" NPT + 1 x M20, 1 x 3/4" NPT + 1 x M20
TERMINAL	• From 22 to 14 AWG - from 0.50 mm² to 2.5 mm²
NET WEIGHT	• 2.0 Kg
LINE RESISTOR**	• 470 Ohms** • 1 Watt
SIGNALLING LED**	• Green U =24VDC I= 10 mA ; Red U=24V DC I = 20mA

	Product	Certification	Switches	Duty Label	Tag Label	Features	Connection	Entry Position	Housing Colour
Prefix - ZT -	CP	135	S	N	N	N	A	T	RD

Standard Product

Product
- CP ~ CALL POINT

Certification
- 135 ~ HAZARDOUS AREA

Switches
- S ~ 1 x MICROSWITCH
- D ~ 2 x MICROSWITCH

Duty Label
- Y ~ YES
- N ~ NO

Tag Label
- Y ~ YES
- N ~ NO

Features
- F ~ LIFT FLAP
- R ~ RESISTOR(S)
- D ~ DIODE(S)
- N ~ NO ADDITION FEATURES

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

Entry Position
- T ~ TOP
- B ~ BOTTOM

Housing Colour
- RD ~ RED
- YW ~ YELLOW
- BU ~ BLUE
- GN ~ GREEN
- WH ~ OTHER