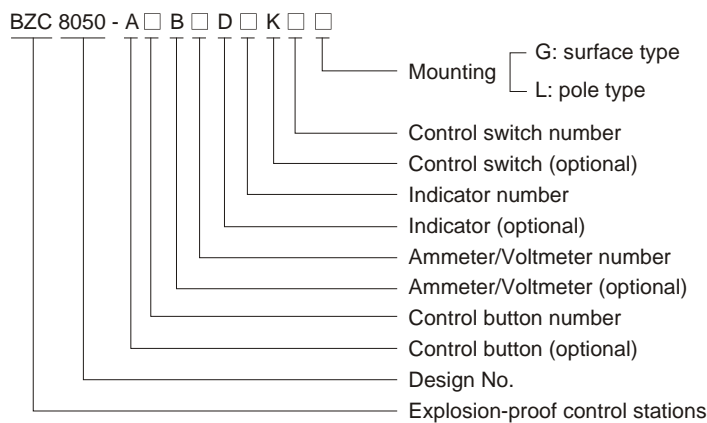




## Control Stations (Aluminium Alloy) BZC8050 Series Explosion-proof Control Stations

- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
- ◆ Copper-free aluminium enclosure; powder coated external surface.
- ◆ Seven enclosure types

### ■ Catalogue number logic










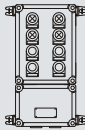
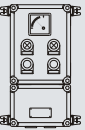
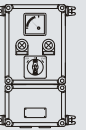
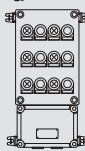
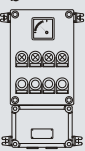





### ■ Note

1. Please refer to the Selection Table on P4/29.
2. Please select internal components as below:
  - BA8050 explosion-proof control button selection table on P4/36-39 (Nominal contact is 1NO+1NC)
  - BD8050 explosion-proof indicator selection table on P4/40-42
  - BK8050 explosion-proof control switch selection table on P4/43-48
  - BB8050 explosion-proof ammeter/voltmeter selection table on P4/49-51
3. Example: BZC8050-A2D2G
  - Components: Two control buttons , two indicators; surface type
  - Tech. Details: One control start button (40092B + 40090-1+40091-1, green, 1NO+1NC);
  - One control stop button (40092A+ 40090-1+40091-1, red, 1NO+1NC);
  - One indicator (40116+40100-2, green, 230V AC);
  - One indicator (40115+40099-2, red, 230V AC)
4. Special requirements on request.

## Zones 1&2; 21&22

# Control Stations (Aluminium Alloy) BZC8050 Series Explosion-proof Control Stations

**Control station BZC8050 (aluminium alloy) selection table**

Enclosure type	Components arrangement	Cable entries and direction	Ordering code	Enclosure weight (kg)
I		1-M25 x 1.5 Bottom entry	40079	0.65
II		1-M25 x 1.5 Bottom entry	40080	0.85
III		1-M25 x 1.5 Bottom entry	40081	1.10
IV	   	2-M25 x 1.5 Bottom entry	40082.....	3.75
V	  	1-M32 x 1.5 or 2-M25 x 1.5 Bottom entry	40083.....	6.50
VI	  	1-M40 x 1.5 or 2-M32 x 1.5 or 4-M25 x 1.5 Bottom entry	40084.....	9.00
VII	   	1-M40 x 1.5 or 2-M32 x 1.5 or 6-M25 x 1.5 Bottom entry	40085.....	13.70



## Control Stations (Aluminium Alloy)

### BZC8050 Series Explosion-proof Control Stations

#### Technical data

#### Explosion-proof control stations BZC8050 (aluminium alloy)

##### Explosion protection

Gas explosion protection

Ex II 2 G Ex de IIC T6 Ex de IIC T6 Gb

Dust explosion protection

Ex tD A21 T80°C IP65

##### Certificates

For gas explosion protection

LCIE 09 ATEX 3099; IECEx CQM 11. 0029; BVC10.0205 (Brazil); FM (USA)

For dust explosion protection

PCEC (China)

##### Conformity to standards

EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007

IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-7:2006

IEC 61241-0:2004, IEC 61241-1:2004

##### Enclosure material

Copper-free aluminium; powder coated external surface

##### Enclosure colour

Window grey (RAL7040)

##### Exposed fastener

Stainless steel

##### Rated voltage

Max. 415V AC

##### Rated current

10A

##### Degree of protection

IP65

##### Ambient temperature

-20°C ~ +55°C

##### Components

1. BA8050 explosion-proof control button technical data on P4/36~39;

2. BD8050 explosion-proof indicator technical data on P4/40~42;

3. BK8050 explosion-proof control switch technical data on P4/43~48;

4. BB8050 explosion-proof ammeter/voltmeter technical data on P4/49~51.

##### Cable entries

M□ x 1.5 plug, please see the Selection Table on P4/29

##### Cable gland (optional)

DQM-I (Ex e) is recommended. Please see P7/17~19.

##### Mounting

Surface type

Pole type (for enclosure IV, V, VI only)

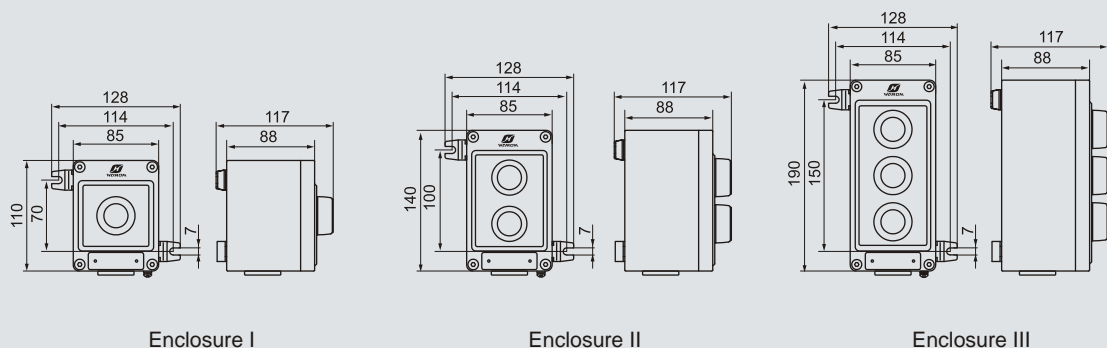
##### Note

1. Please specify the number and size of entries (applicable for surface type only).

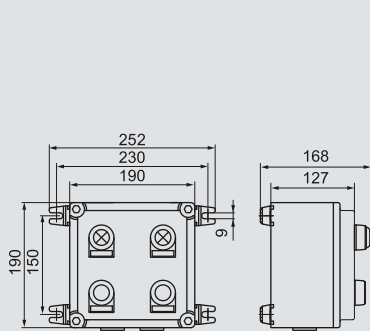
2. For pole type, only G1" entry is applicable.



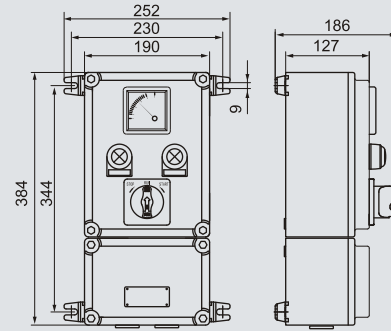
#### Dimension drawings (all dimensions in mm) - subject to alteration



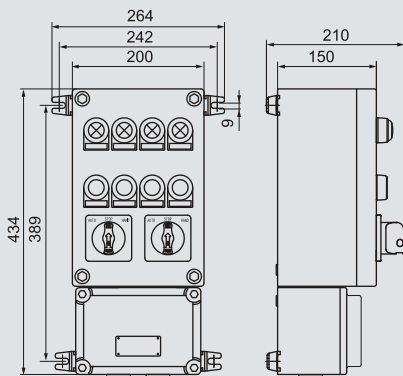
Dimension drawings (all dimensions in mm) - subject to alteration



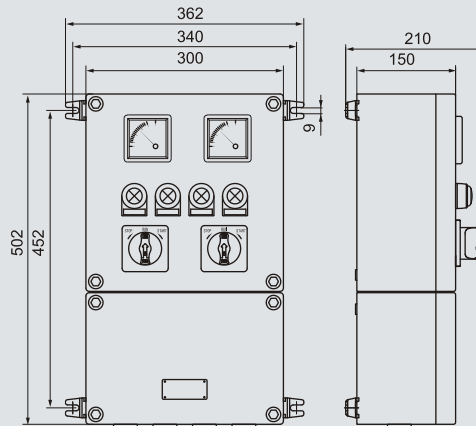
Enclosure IV



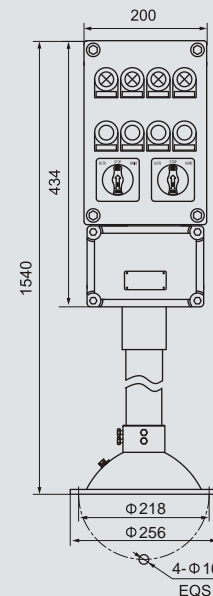
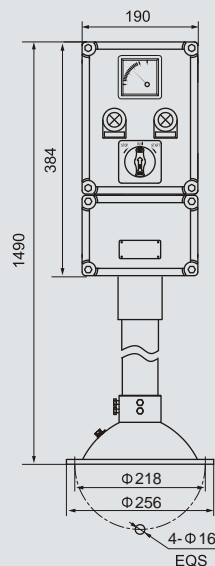
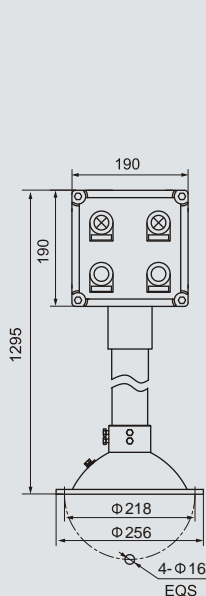
Enclosure V



Enclosure VI



Enclosure VII



Pole type(for enclosure IV, V, VI only)

