

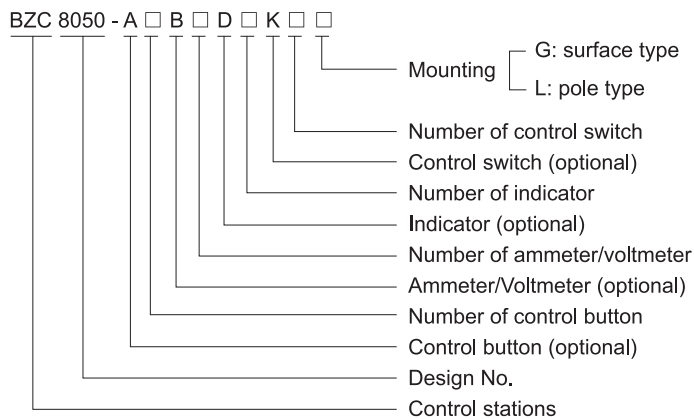
Control Stations

BZC8050 Series Control Stations (Aluminium Alloy)



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Copper-free aluminium enclosure, powder coated surface.
- ◆ Seven types of enclosure.

■ Catalogue number logic









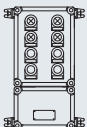
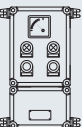
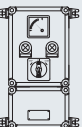
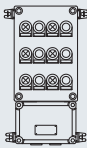
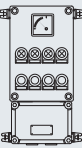
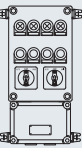
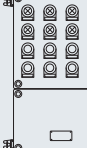
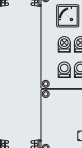

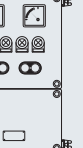


■ Note

1. Please refer to the Selection table on P4/31.
2. Please select internal components as below:
 - Selection table of BA8050 control button on P4/38~41 (Nominal contact is 1NO+1NC);
 - Selection table of BD8050 indicator on P4/42~44;
 - Selection table of BK8050 control switch on P4/45~50;
 - Selection table of BB8050 explosion-proof ammeter/voltmeter on P4/51~53;
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 BZC8050 Series Control Stations (Aluminium Alloy)

Selection table of control station BZC8050 (aluminium alloy)				
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

BZC8050 Series Control Stations (Aluminium Alloy)

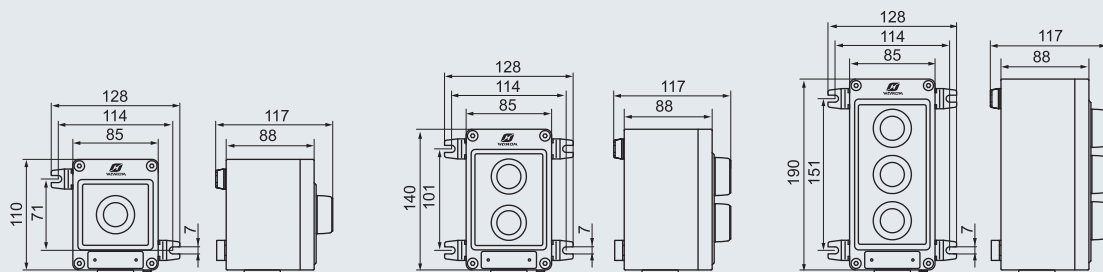
Technical data

Control stations BZC8050 (aluminium alloy)

Explosion protection	<p>Gas explosion protection $\text{Ex II 2 G Ex d e IIC T6 Gb}$</p> <p>Dust explosion protection $\text{Ex II 2 D Ex tb III C T80°C Db IP65}$</p>
Certificates	LCIE 09 ATEX 3099; IECEx CQM 11. 0029
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31
Enclosure material	Copper-free aluminium, powder coated surface
Enclosure colour	Window grey (RAL7040)
Exposed fastener	Stainless steel
Rated voltage	Max. 415V AC
Rated current	Main circuit current: 6A (for BZC8050-A2D2, BZC8050-A2B1) 16A (for BZC8050-K1) 10A (for others)
Degree of protection	IP65
Ambient temperature	-20°C~+55°C
Internal&external earthing	I, II, III: M4/M4; IV, V, VI,VII: M6/M6
Components	<ol style="list-style-type: none"> 1. Technical data of BA8050 control button on P4/38~41; 2. Technical data of BD8050 indicator on P4/42~44; 3. Technical data of BK8050 control switch on P4/45~50; 4. Technical data of BB8050 explosion-proof ammeter/voltmeter on P4/51~53;
Cable entries	M□ x 1.5 plug, please see the Selection table on P4/31
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	<ol style="list-style-type: none"> 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



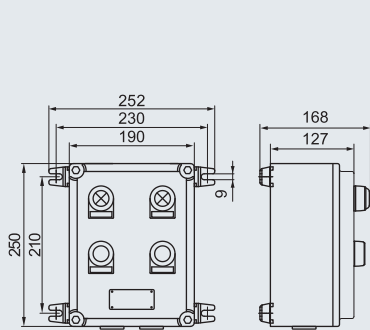
Enclosure I

Enclosure II

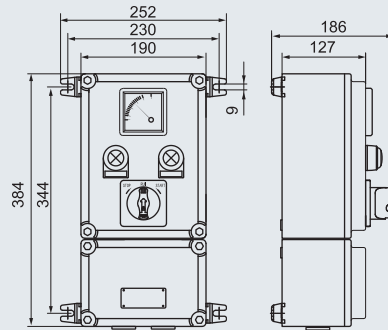
Enclosure III

Control Stations BZC8050 Series Control Stations (Aluminium Alloy)

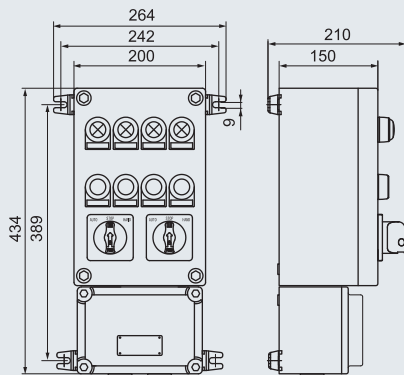
Dimension drawings (all dimensions in mm) - subject to alteration



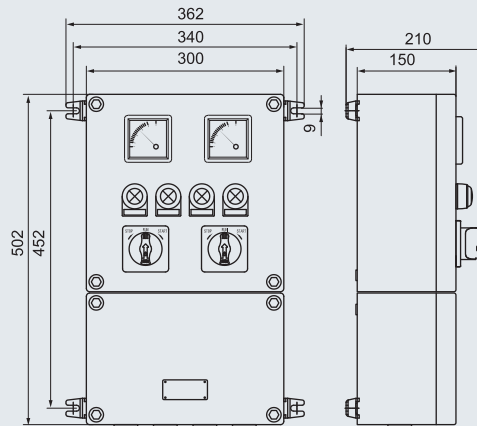
Enclosure IV



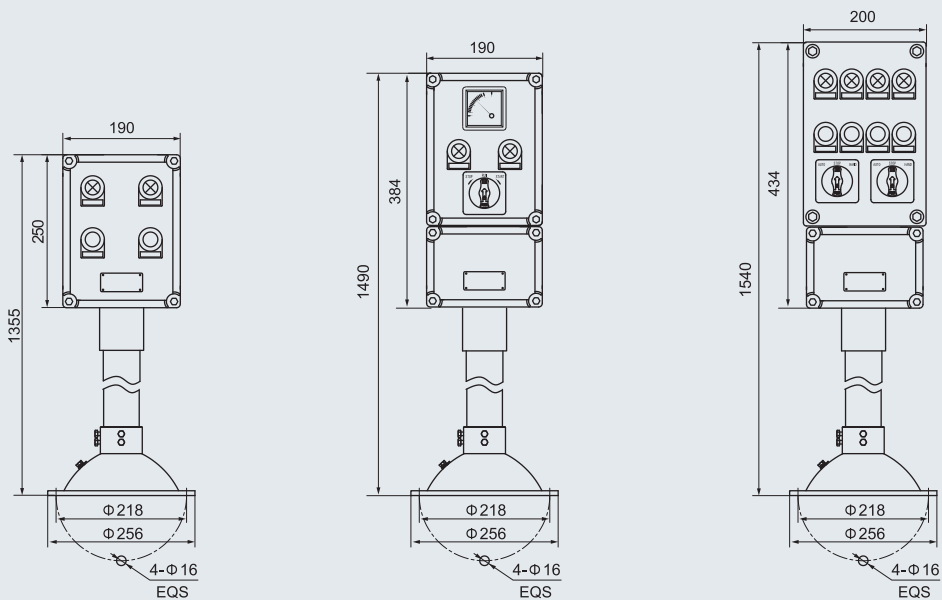
Enclosure V



Enclosure VI



Enclosure VII



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

