Control Stations
BZC8050 Series Control Stations (GRP)

- 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
- GRP (glass fibre-reinforced polyester resin) enclosure.
- Four types of enclosure.

Catalogue number logic

BZC 8050 - A □ B □ D □ K □ □

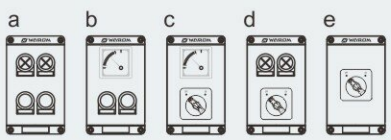
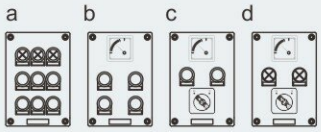
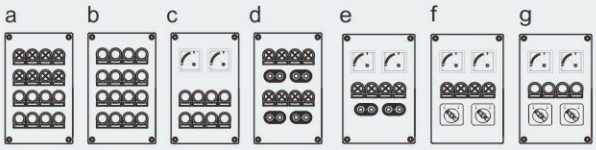
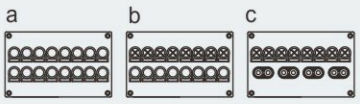
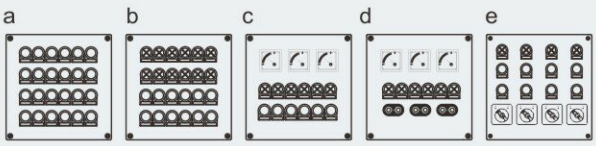
- Mounting G: surface type
- Number of control switch
- Control switch (optional)
- Number of indicator
- Indicator (optional)
- Number of ammeter/voltmeter
- Ammeter/Voltmeter (optional)
- Number of control button
- Control button (optional)
- Design No.
- Control stations

Note

1. Please refer to the Selection table on P4/29.
2. Please select internal components as below:
   Selection table of BA8050 control button on P4/40~43 (nominal contact is 1NO+1NC);
   Selection table of BD8050 indicator on P4/44~46;
   Selection table of BK8050 control switch on P4/47~52;
   Selection table of BB8050 explosion-proof ammeter/voltmeter on P4/53~55;
3. Example: BZC8050-A2D2G
   Components: Two control buttons, two indicators; surface type
   Tech. Details: One start control button (40092B + 40090-1+40091-1, green, 1NO+1NC);
   One stop control 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

Selection table of control station BZC8050(GRP)(Without terminal)

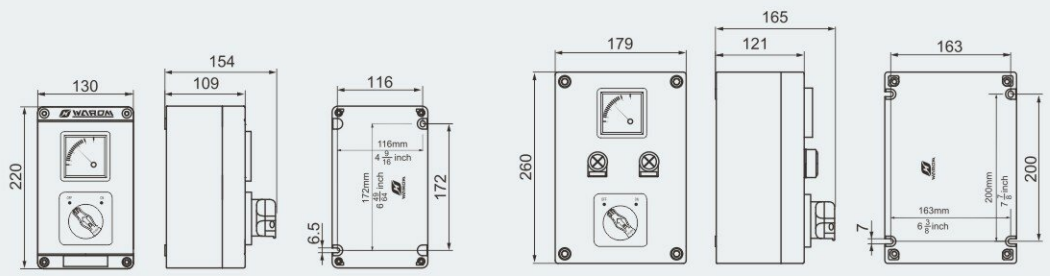
Enclosure type	Components arrangement	Cable entries and direction	Ordering code	Enclosure weight (kg)
I		2-M25 x 1.5 Bottom entry	40074.....	1.30
II		1-M32 x 1.5 or 2-M25 x 1.5 Bottom entry	40075.....	2.10
III		1-M32 x 1.5 or 3-M25 x 1.5 Bottom entry	40076.....	3.25
IIIx		1-M40 x 1.5 or 2-M32 x1.5 or 4-M25 x 1.5 Bottom entry	40077.....	3.25
IV		1-M40 x 1.5 or 2-M32 x1.5 or 6-M25 x 1.5 Bottom entry	40078.....	4.15

Technical data

Control stations BZC8050 (GRP)

Explosion protection	
Global (IECEx)	IECEx CQM 11.0029
Gas	Ex d e IIC T6 Gb
Europe (ATEX)	LCIE 09 ATEX 3099
Gas and dust	Ⓔx II 2 G Ex d e IIC T6 Gb
	Ⓔx II 2 D Ex tb IIIC T80℃ Db IP65
Certificates	IECEx; ATEX; CU-TR
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31
	IEC 60079-0, IEC 60079-1, IEC 60079-7
Enclosure material	GRP (glass fibre-reinforced polyester resin)
Enclosure colour	Black
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/IP66 (optional)
Ambient temperature	-20℃~+55℃
Components	1. Technical data of BA8050 control button on P4/40~43
	2. Technical data of BD8050 indicator on P4/44~46
	3. Technical data of BK8050 control switch on P4/47~52
	4. Technical data of BB8050 explosion-proof ammeter/voltmeter on P4/53~55
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 P7/16
Mounting	Surface type
Note	Please specify the number and size of entries (applicable for surface type only)

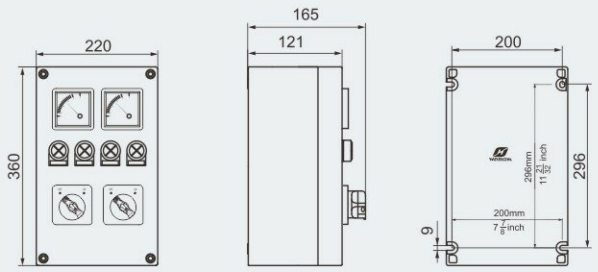
Dimension drawings (all dimensions in mm) - subject to alteration



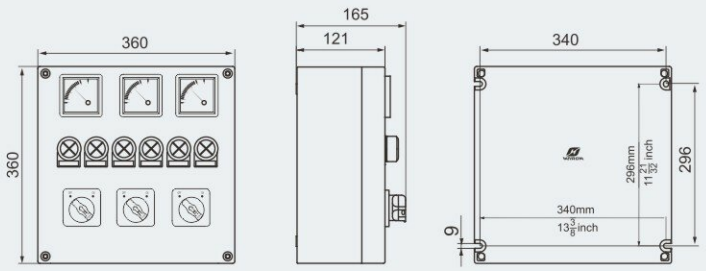
Enclosure I

Enclosure II

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



Enclosure III



Enclosure IV