


A1/ A2: Button

**B1: Ammeter/
B2: Voltmeter**

D type: Indicator light

BZA5200 series

Explosion-proof master controller

Scope of application

- Widely used in flammable and explosive gas environments such as oil mining, oil refining, chemical industry, offshore oil platforms, tankers, etc., and also used in combustible dust places such as military industry and metal processing;
- Applicable to explosive gas environment Zone 1 and Zone 2 area;
- Applicable to IIA, IIB, IIC explosive gas environments;
- Applicable to combustible dust environment Zone 21 and Zone 22 area;
- Applicable to combustible dust categories IIIA, IIIB, IIIC;
- Applicable to temperature groups T1~T6;
- **Ex marking: Ex db IIC T6 Gb/Ex tb IIIC T80℃ Db, IP66;**
- **Explosion-proof Certificate: CNEX**

Catalogue number logic

BZA 5200 - □ □ □

Specification code

Component code

Component type

Design serial number

Explosion-proof master controller

Component code	Specification code	Specification description
A1 A2	11	1 normally open 1 normally closed
	20	2 normally open
	02	2 normally closed
D1 D2 D3 D4	R	Red
	G	Green
	Y	Yellow
	W	White
	B	Blue

Component code	Description	Component code	Description
A1	Explosion-proof emergency stop button	D1	Indicator light AC/DC 24~36V
A2	Explosion-proof ordinary button	D2	Indicator light AC 220~380V
B1	Ammeter	D3	Indicator light DC 12~60V
B2	Voltmeter	D4	Indicator light AC/DC 110~240V

A: Button
B: Ammeter (voltmeter/ammeter)
D: Indicator light

Technical data

Conformity to standards: GB/T 3836.1、GB/T 3836.2、GB/T 3836.31、IEC 60079-0、IEC 60079-1、IEC 60079-31、EN 60079-0、EN 60079-1、EN 60079-31

Ex marking: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db, IP66

Rated voltage: 220/380V(A/B type); High/ Low voltage optional(D type)

Rated current: 10A,

Degree of protection: IP66

Degree of anti-corrosive: WF1*WF2

Ambient temperature: -40°C~+55°C

Use Category: AC-15、DC-13

Internal components: buttons, electric meters, indicator lights

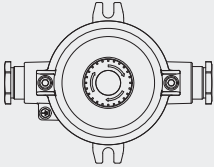
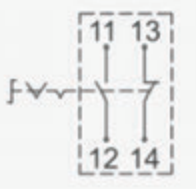
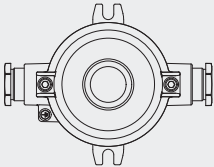
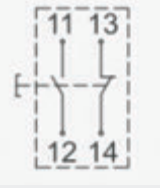
Inlet and outlet threads: G3/4" please indicate if there are special requirements

Applicable cable outer diameter: Applicable to 10mm~14mm cables

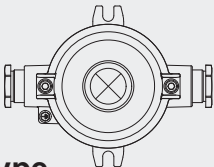
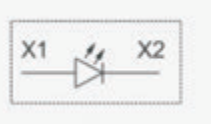
Installation method: hanging type

Wiring method: cable wiring (please indicate steel pipe wiring)

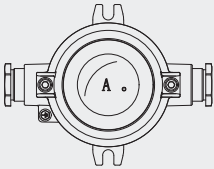
Selection table(A1/ A2: Push button)(Rated voltage: 220V/380V, 10A)

Outline	Colour		Contact diagram	Net Weight (kg)
Explosion-proof emergency stop button: A1 	Red			0.77
Explosion-proof ordinary button 	Red			0.71
A1	Green			

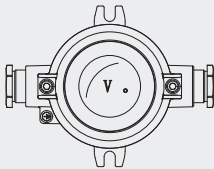
Selection table(D type: Indicator light)(Rated voltage: D1: AC/DC 24V~36V, D2: AC 220V~380V, D3:DC 12~60V/ AC 12~250V, D4: AC/DC 110~240V;≤ 1W)

Outline	Colour		Contact diagram	Net Weight (kg)
Indicator light 	Red			0.71
D type	Green			
	Yellow			
	White			
	Blue			

Selection table(B1: Ammeter)(Rated voltage: 220V/380V, Max 10A)

Outline	Description	Overload multiple	Measuring range	Net weight (kg)
B1 	Direct measurement	2times	0~20/40mA	0.71
			4~20/40mA	
	Direct measurement	2times	0~1A	
			0~5A	
	Distribution current transformer	2times or 6 times	sec.1A	
			sec.5A	

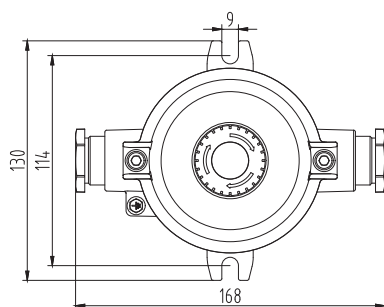
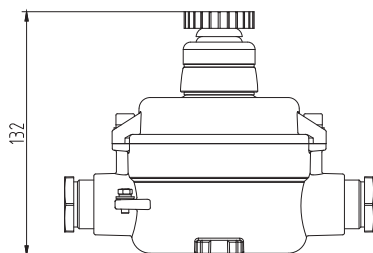
Selection table(B2: Voltmeter)(Rated voltage: 220V/380V, Max 10A)

Outline	Description	Measuring range	Net weight (kg)
B2 	Direct measurement	0~10V	0.8
		0~25V	
		0~40V	
		0~60V	
		0~100V	
		0~150V	
		0~250V	
		0~300V	
		0~450V	
		0~500V	
	Distribution current transformer	sec.100V	
		sec.110V	
		sec.120V	

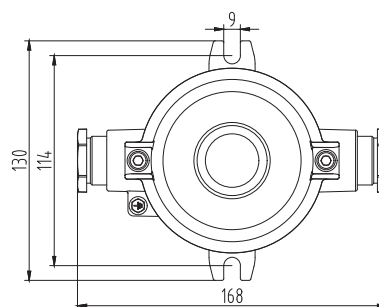
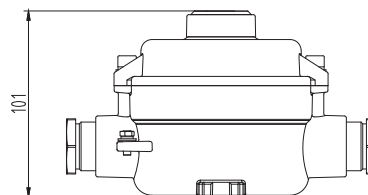
Ordering Instructions

- Please refer to the selection table for user scheme selection;
- For internal components, please refer to: ammeter (48 type), voltmeter (48 type) component appearance drawing, button selection (normally 1NO+1NC, no note);
- Example: BZA5200-A1, component: mushroom head flameproof emergency stop button, 1 normally open and 1 normally closed (1NO+1NC);
BZA5200-D2 R, component: AC220~380 red indicator light
- Please specify special requirements when ordering;
- Default cable wiring entry device (please specify for steel pipe wiring).

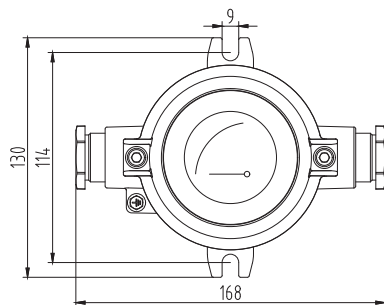
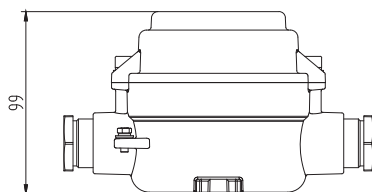
Dimension and installation (size in mm)



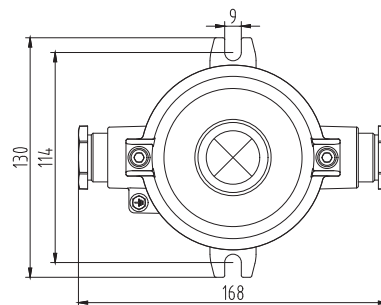
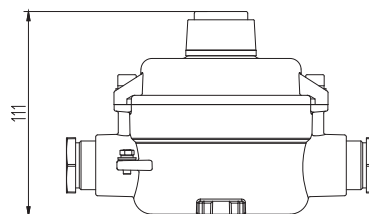
BZA5200-A1
Emergency stop button



BZA5200-A2
Original Button



BZA5200-B
Voltmeter/Ammeter



BZA5200-D
Indicator light