

BZA5200series

Explosion proof control unit system

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 places;
- Applicable to IIA, IIB, IIC explosive gas environments;
- Applicable to combustible dust environment Zone 21 and Zone 22 places;
- Applicable to combustible dust categories mA, ImB, mC.
- Applicable to temperature groups T1~T6.

Catalogue number logic

BZA 5200 – □ □ □

Specification code

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

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
A1	Ammeter	D3	Indicator light DC 12~60V
A2	Voltmeter	D4	Indicator light AC/DC 110~240V

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

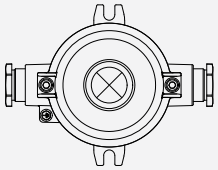
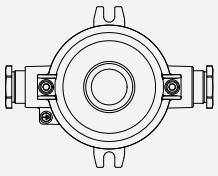
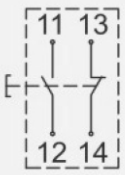
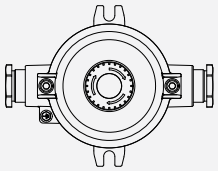
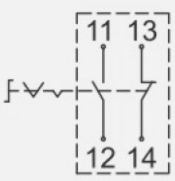
Design serial number

Explosion-proof master controller

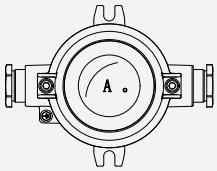
Technical data

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℃ Db
Rated voltage：AC 220/380V、AC 230/400V、DC 220V
Rated current：10A
Degree of protection：IP66
Degree of anti-corrosive：WF1*WF2
Ambient temperature：-40℃~+55℃
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)

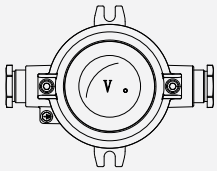
Selection table(push buttom /indicator)

Outline	Colour		Contact diagram	Net Weight（kg）
Indicator light 	Red Green Yellow White Blue			0.71
Explosion-proof ordinary button 	Red Green			0.71
Explosion-proof emergency stop button 	Red			0.77

Selection table(Ammeter)

Outline	Description	Overload multiple	Measuring range	Net weight（kg）
Indicator light 	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	

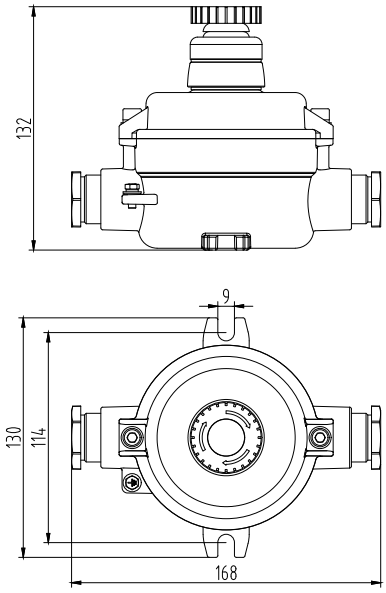
Selection table(Voltmeter)

Outline	Description	Measuring range	Net weight（kg）
Indicator light 	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	

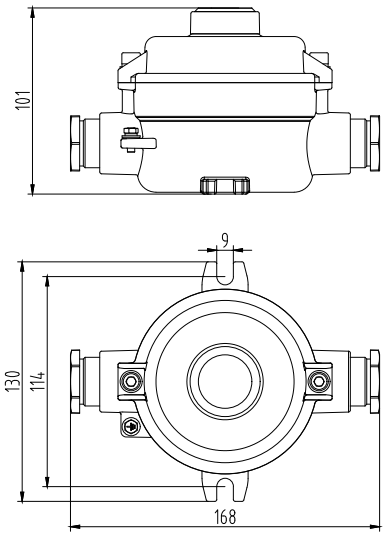
Ordering Instructions

- 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-D2R, component: AC220~380 red indicator light
- Please specify special requirements when ordering;
- Default cable wiring entry device (please specify for steel pipe wiring).

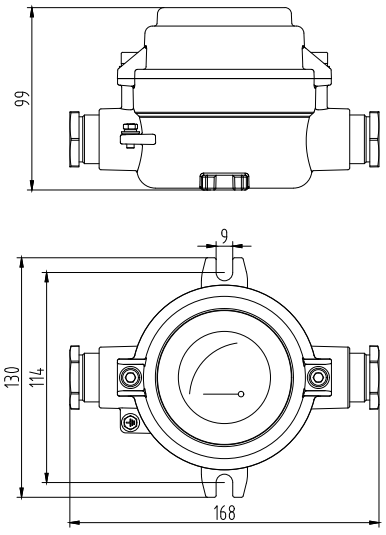
Dimension and installation



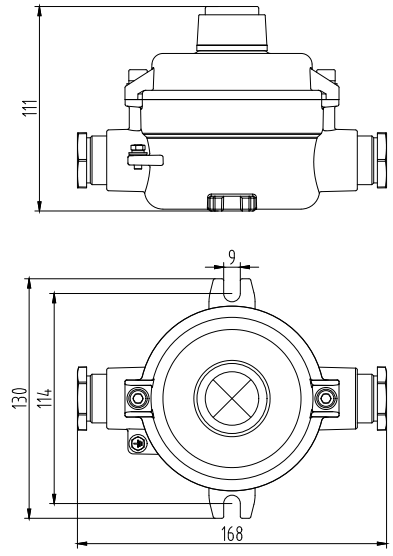
BZA5200-A1
Emergency stop button



BZA5200-A2
Original Button



BZA5200-B
Voltmeter/Ammeter



BZA5200-D
Indicator light