

ZJZ2 | Mining Explosion Proof Intrinsically Safe Illumination Signal Comprehensive Protection Device



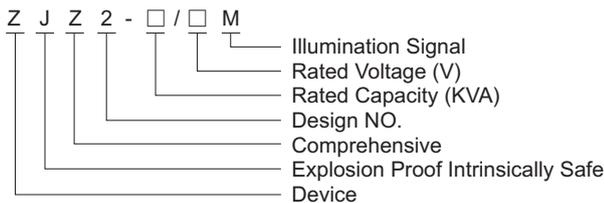
Use

This device is used in coal mine and around places where are filled with explosive gas mixture, such as methane, coal dust and so on. For using to control the power of illumination and signal load in the power supply circuit of 127V.

Technical Descriptions

1. With 32 bit micro-controller core, industrial-grade peripheral chips, scientific algorithms, reliable and sensitive protection and high measurement precision, the device has very high anti-interference ability.
2. The device adopts standardized modular hardware design, high-precision A/D converter, a dedicated power supply module and the crystal timing. On the user's interface, large screen LCD display, automatic backlight and menu-driven instructions are available. The operator can check and modify online. The device will record and transmit the data. The self-test function and secondary password protection function are also available.
3. Can be controlled by the ways of near control and remote control.
4. The device is equipped with RS485 or CAN communication port, which connects to the communication cable.
5. Has enough protection functions of short protection, leakage protection, over voltage protection, under voltage protection and breakage latch protection.

Meaning of Type



Technical Data

Type	Main transformer			Rated capacity (kVA)	Insulation grade	External diameter of cable(Φ mm)		Weight (kg)	Dimension W × H × D (mm)
	Connection mode	Rated voltage (V)	Rated current (A)			Main circuit	Control circuit		
ZJZ2-4.0/1140(660)M ZJZ2-4.0/660(380)M	Δ/Δ	380/133	6.08/17.36	4.0	B	12~30 8~19	8~12	272	700 × 770 × 555
	Y/Δ or Δ/Δ	660/133	3.5/17.36						
	Y/Δ	1140/133	2.02/17.36						
ZJZ2-6.0/1140(660)M ZJZ2-6.0/660(380)M	Δ/Δ	380/133	9.12/26.05	6.0					
	Y/Δ or Δ/Δ	660/133	5.25/26.05						
	Y/Δ	1140/133	3.04/26.05						
ZJZ2-8.0/1140(660)M ZJZ2-8.0/660(380)M	Δ/Δ	380/133	12.16/34.73	8.0					
	Y/Δ or Δ/Δ	660/133	7.0/34.73						
	Y/Δ	1140/133	4.05/34.73						
ZJZ2-10.0/1140(660)M ZJZ2-10.0/660(380)M	Δ/Δ	380/133	15.19/43.41	10.0					
	Y/Δ or Δ/Δ	660/133	8.75/43.41						
	Y/Δ	1140/133	5.06/43.41						

Control and protection parameters

Refer to the following sheet for parameters of lighting circuit control and lighting circuit protection

Refer to the following sheet for parameters of signal circuit control and signal circuit protection

Rated capacity (kVA)	Rated voltage (V)	Short-circuit protection		leakage protection		
		Protection distance (4mm ²)m	Action time (S)	Action value (KΩ)	Dangerous value for indicating cable insulation (KΩ)	Value of single-phase leakage latch (KΩ)
4.0	1140(660)/133 660(380)/133	450	<0.25	2 ± 20%	10+2	2 ± 20%
6.0						
8.0						
10.0						

Rated capacity (kVA)	Rated voltage (V)	Short protection	
		Protection distance (4mm ²)m	Action time (S)
4.0	1140(660)/133 660(380)/133	1400	<0.4
6.0			
8.0			
10.0			