



## ELECTRONIC CONTROL SYSTEM



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### KDW127/12 FLAMEPROOF AND INTRINSICALLY SAFE DC POWER SUPPLY



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### SA ISOLATION ADAPTER

#### Product Description

Use the flameproof and intrinsically safe explosion-proof technology, with the following functions: wide power input range, low power consumption, input OV protection, double check rapid OC and LV protection, startup with load and automatic reset, etc.

#### Technical parameters:

Input voltage:	95~240V AC
Output voltage:	12V DC[dual-circuit]
Maximum output current:	1.45 A
Explosion-proof mark:	Exd[ib] I Mb
Protection class:	IP65
Quality:	13Kg
Dimension:	365mm×269mm×95mm
	(length*width*height)

#### Product Description

Use the optical isolation technology to completely isolate the signal between left and right receiver and emitter in electrical and supply power, and magnify, transmitting left and right signals through optical transferring, receiving and emitting technologies. Left and right sides can be used for data receiving or emitting, both can fulfill bi-directional data communication.

#### Technical parameters:

Input voltage:	12V DC
Output voltage:	≤20mA
Explosion-proof mark:	Exib I Mb
Protection class:	IP68
Quality:	1.2Kg
Dimension:	212mm×70mm×41mm
	(length*width*height)



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**SC BRACKET  
CONTROLLER****Product Description**

Use the non-master-slave network design, jobsite CAN busbar technology and micro-single chip integrated circuit technology; integrate multi-channel solenoid-driven interfaces with integration and expansibility; has the following characteristics: flash disk busbar updating, Chinese operation indication, friendly HMI, etc.

**Technical parameters:**

Working voltage:	12 V DC
Working current:	≤300mA
Transducer interface:	3
Driven interface:	6 (12 functions, can be extended to 34 functions)
Explosion-proof mark:	Exib I Mb
Protection class:	IP68
Quality:	8.3Kg
Dimension:	270mm×171mm×96mm (length*width*height)



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**GPD60 PRESSURE  
SENSOR****Product Description**

Used for detecting the bracket stand column intra-cavitary pressure. Interior has the low drift magnifier with temperature compensation and advanced hot melting technology.

**Technical parameters:**

Working voltage:	12 V DC
Working current:	≤20mA
Measuring range:	0~60MPa
Accuracy class:	1st class
Explosion-proof mark:	Exib I Mb
Protection class:	IP68
Quality:	0.4Kg
Dimension:	φ 32mm×123mm (diameter*length)



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### GUD700 DISPLACEMENT SENSOR



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### FHS5 INFRARED RECEIVER SENSOR

#### Product Description

Installed inside the bracket displacement jacking. The measuring probe is installed inside the special steel tubes, controlled by the solenoid valve installed inside the piston rod. Maintainable, easy to installation and disassembly.

#### Technical parameters:

Working voltage:	12V DC
Working current:	≤20mA
Measuring range:	0~700 mm
Resolution:	3mm
Explosion-proof mark:	Exib I Mb
Protection class:	IP68
Quality:	1.2Kg
Dimension:	φ 22mm×825mm (diameter*length)

#### Product Description

Always installed on the hydraulic bracket stand column facing the infrared emitter on mining machine, and they are at the same height. When the mining machine passes, it will receive its infrared signal to determine its position.

#### Technical parameters:

Working voltage:	12V DC
Working current:	≤20mA
Signal receiving range:	40° × 5m
Explosion-proof mark:	Exib I Mb
Quality:	0.78Kg
Dimension:	φ 35mm × 163mm (diameter*length)



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**FHF5 INFRARED  
EMITTER****Product Description**

Provide the infrared signal for the infrared ray receiver sensor. Installed on the mining machine, facing the infrared emitter on mining machine, and they are at the same height.

**Technical parameters:**

Working voltage:	12V DC
Signal emitting range:	40° × 5m
Explosion-proof mark:	Exib I Mb
Protection class:	IP68
Quality:	5Kg
Dimension:	225mm×100mm×61mm
	(length * width * height)



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**DYQ22 SOLENOID VALVE  
DRIVER BOARD****Product Description**

Use the serial communication technology and intelligent control technology, automatically distinguish various control signal emitted from the bracket controller, so as to control or driven the opening or closing of relative solenoid pilot valve.

**Technical parameters:**

Working voltage:	12V DC
Driven output:	22 channel
Driven capacity of each channel:	12VDC/200mA
Explosion-proof mark:	Exib I Mb
Protection class:	IP68
Quality:	2Kg
Dimension:	347 mm×68.5 mm×25 mm
	(length * width * height)





**ELECTRONIC  
CONTROL SYSTEM**



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**KJD127 FLAMEPROOF INTRINSICALLY  
SAFE COMPUTER**

**Product Description**

Use the advanced embedded computer technology; used for remote detection and monitoring of status data of down hole control equipment.

**Technical parameters:**

Working voltage:	127V AC
I/O interface:	RS232/1 channel, 485/1 channel USB/2 channel, RJ45/1 channel
Operation system:	Windows XP/Windows 7
Explosion-proof mark:	Exd [ib] Mb
Protection class:	IP65
Quality:	39Kg
Dimension:	420 mm×350mm×195 mm (length * width * height)



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**LCYVB4 STEEL WIRE BRAIDED RUBBER  
SHEATH CONNECTOR**

**Product Description**

Use double layer steel wire braider rubber sheath structure, with very strong protection performance and strong strength of extension. The connector plug can be rotated nearly 360 degree, facilitating installation in different positions.

**Technical parameters:**

Strength of extension:	>3000N
Bending semi-diameter:	>128mm
Distributed inductance:	≤0.8mH/Km
Distributed capacitance:	≤0.06uF/Km
Protection class:	IP68



Product Description

Use leading-in clamp sealing structure with very strong protection performance.

Technical parameters:

Distributed inductance:	≤0.8mH/Km
Distributed capacitance:	≤0.06uF/Km
Protection class:	IP68

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VARIOUS TYPES OF  
MINE COMMUNICATION CABLE