KHOAT

KEHAO RUMENT

KH7018E Isolated Universal Input Module

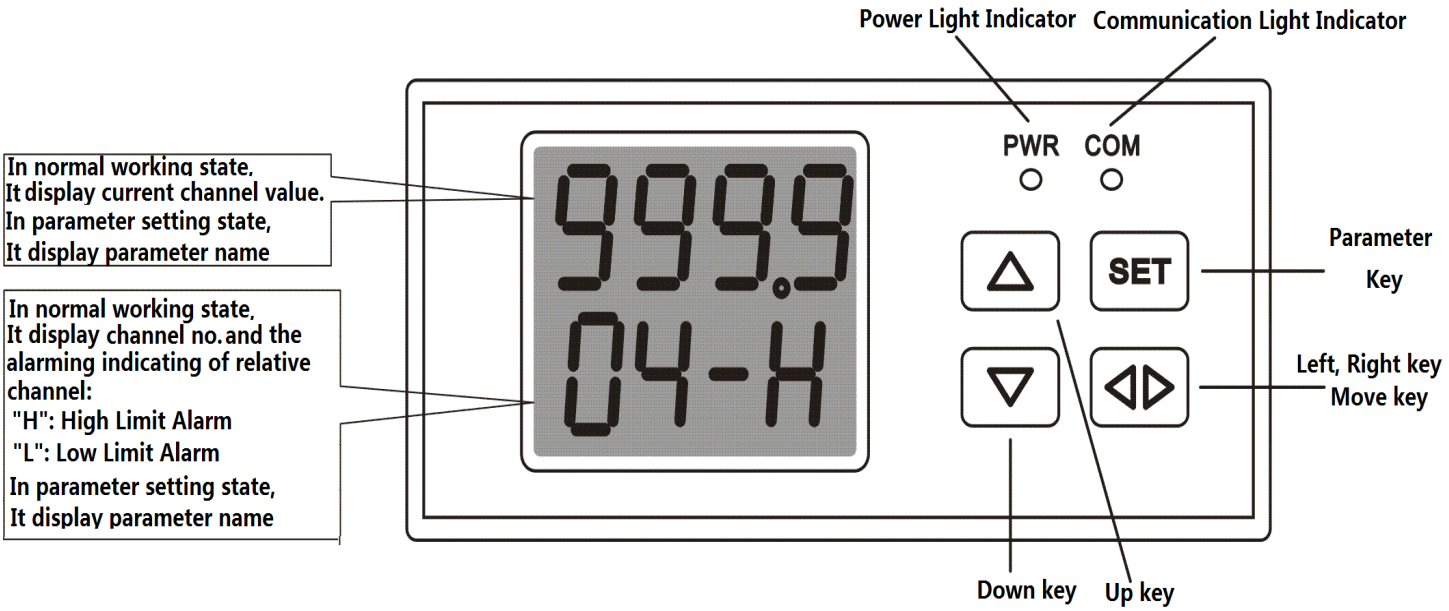
KH7018E, Multi-channel analog input module, is used the advanced technology, to be designed high quality and performance, high accuracy and isolation, super thin and small size, to be aimed to log multi channels analog input signal for temperature, humidity, pressure, flow, linear voltage, linear current, battery pack etc parameters in process control field, can achieve RS485 field-bus communication based on standard MODBUS-RTU protocol in various industry application.

Application:

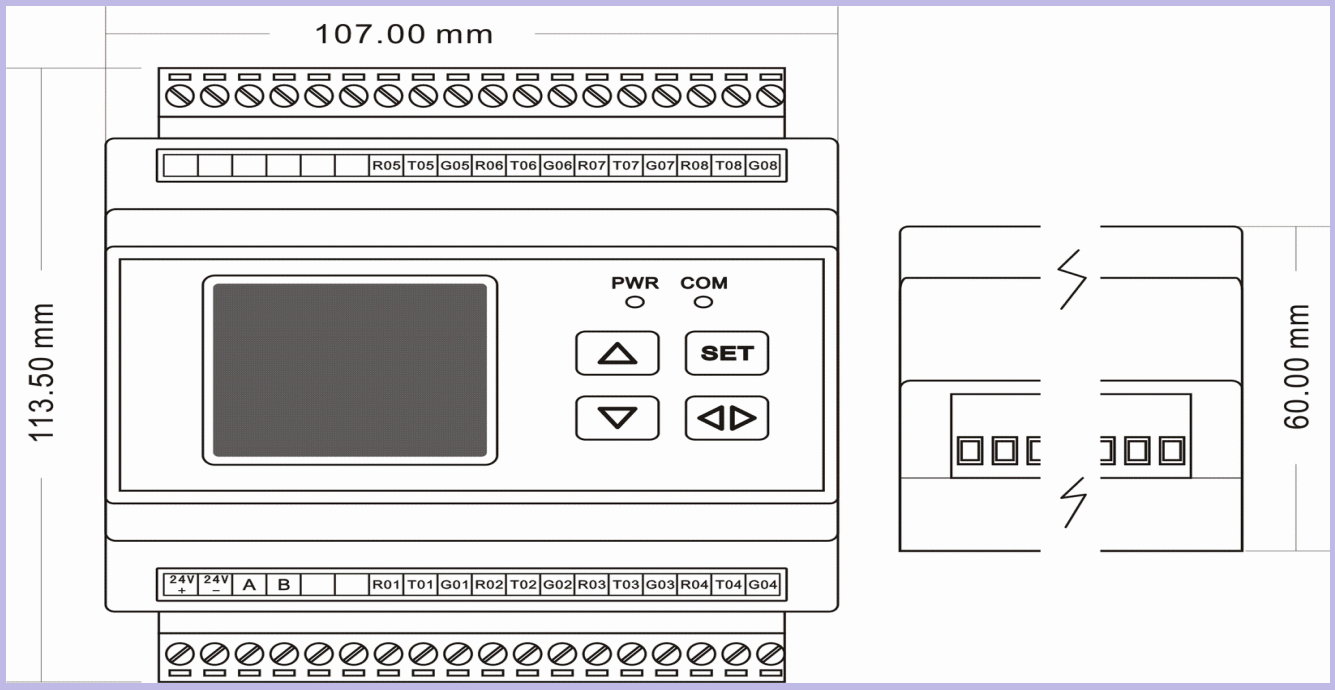
Widely used in petroleum, metallurgy, pharmaceutical, food, industrial automation, warehouse, library etc industrial automation process monitoring area.

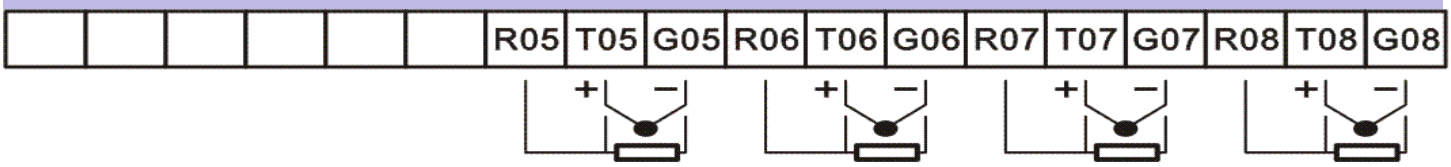
Feature			
KH7018E	8 channels input module		
Various Input	.Up to 8 channels input , isolated .Universal Input: RTD, thermocouple, 4-20mA, 0-10mA, 0-5VDC, 1-5VDC . Support various analog signal input and battery pack testing . Up to 400V isolated voltage among channels by opto- coupler relay isolated		
Communication	RS485 communication based on standard MODBUS-RTU protocol .Can be configurable flexibly and communicated with modern DCS, HMI, PLC etc . Can be made of districted paperless recorder system with our KH800G recorder.		
Size	Super thin design, small size, easy to be installed		
Operation	Easy to operation, user-friendly, only connect sensor and PC software for data logging.		
Specification			
Input type			
Thermocouple Input	K (-50 ~ 1300℃)、S (-50 ~ 1700℃)、T (-200 ~ 350℃) 、E (0 ~ 800℃)、 J (0 ~ 1000℃)、 B (300 ~ 1800℃)、N (0 ~ 1300℃), R(-50~1700℃)、 WRe325 (0~2300℃) 、 WRe526 (0~2300℃)		
RTD Input	Cu100 (-50~150℃) 、Cu50 (-50~150℃) 、Pt100 (-200~600℃)		
Analog Input	DC Voltage: (0-5VDC, 1-5VDC), DC Current: (4-20mA, 0-10 mA) (250Ωresistor connected for 4-20mA, 500Ωresistor connected for 0-10mA		
Communication	RS485, MODBUS-RTU protocol, baud rate up to 19200bps		
Accuracy:	±0.2%	**Power supply**	+24VDC
Sampling Rate	1S	**Power consumption**	＜1.0W
Size	107x113.5x60mm	**Working Temperature**	-0 ~ 50°C
Installation	Rail-type	**Relative Humidity**	5%-85%,no dew

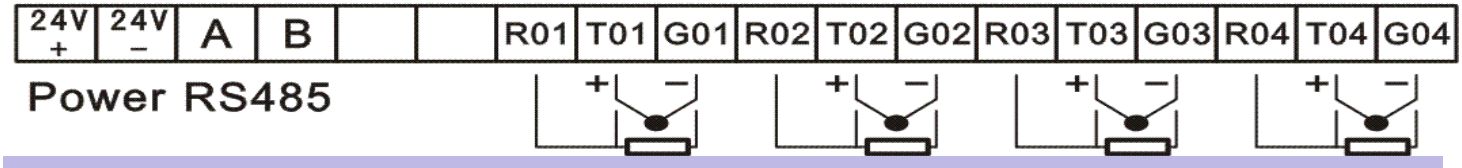
Display &Key



Size &Diagram







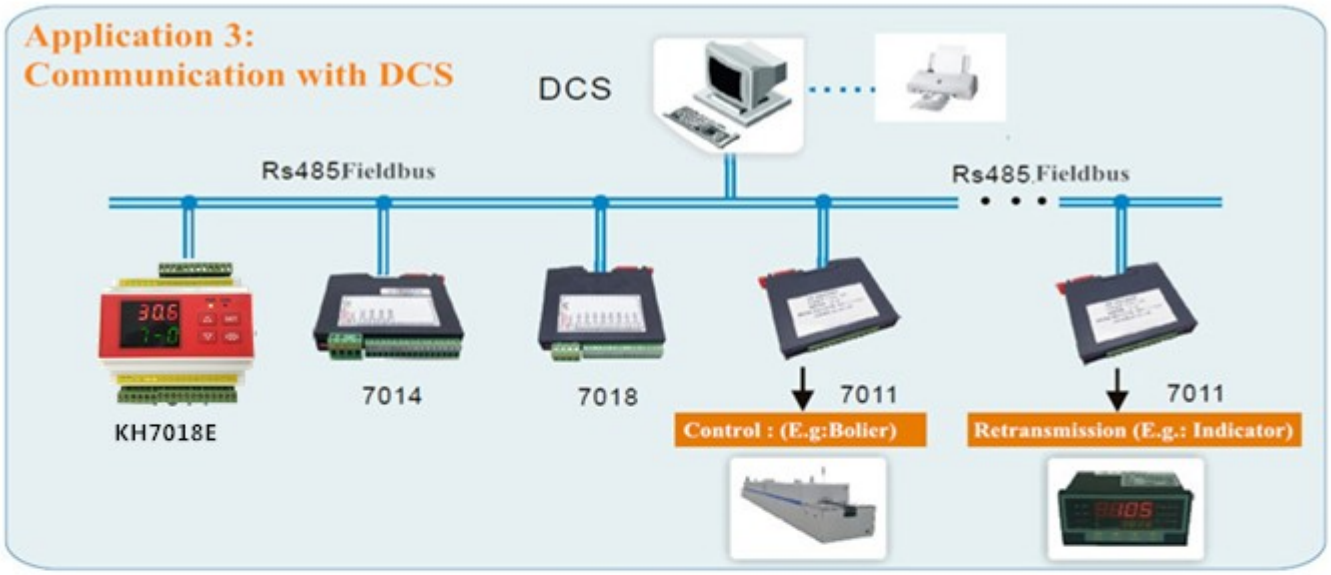
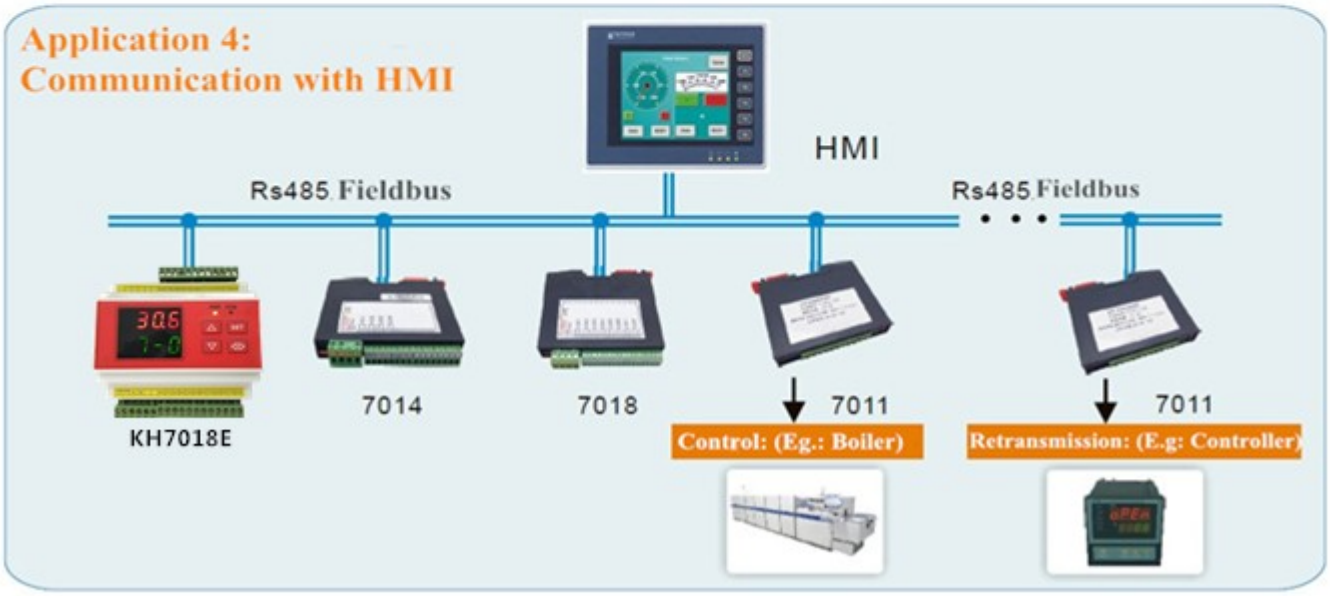
Application

Applicaiton 1:

KH800G Color Paperless Recorder

Application 2: communication with PLC

Application 3:
Communication with DCS



Application 4:
Communication with HMI