

Heavy Industrial Grade

To work well in heavy industrial environment, the hardware of module need special design to against noise, surge, EFT. For this purpose, we provide several heavy industrial grade analog modules.

1. Common Voltage Protection
2. Overvoltage Protection
3. ESD (IEC 61000-4-2)
4. EFT (IEC 61000-4-4)

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RS-485 I/O Products

RTD Input Module (Heavy Industrial Grade)			
Model Name	I-7015		I-7015P
	M-7015	M-7015-5	M-7015P
Pictures		Available soon 	
RTD Input			
Channels	6	5	6
Wiring	2/3 wire		
★ Sensor Type	Pt100, Pt1000, Ni120, Cu100, Cu1000		
★ Resolution	16-bit		
★ Accuracy	±0.05%		
★ Sampling Rate	12 Hz (Total)		
★ Individual Channel Configuration	Yes		
★ Overvoltage Protection	120 Vdc		
Open Wire Detection	Yes		
3-wire RTD Lead Resistance Elimination	-	Yes	Yes
Resistance Measurement	3.2 KΩ Max.		
Digital Output			
Channels	8		
Type	Open Collector		
Sink/Source (NPN/PNP)	Sink		
Load Voltage	3.5 ~ 50 Vdc		
Max. Load Current	700 mA/Channel		
Short Circuit Protection	Yes		
Power-on Value	Yes		
Safe Value	Yes		
System			
Dual Watchdog	Yes		
ESD (IEC 61000-4-2)	±4 kV		
EFT (IEC 61000-4-4)	±4 kV		
Intra-Module Isolation, Field-to-Logic	3000 Vdc		
Power Input	10 ~ 30 Vdc		
Power Consumption	1.1 W	1.5 W	1.2 W

Open Wire Detection

The thermocouple, RTD and thermistor sensors are widely used in temperature control applications. If the system can not monitor the open wire status of the sensors, it may be very dangerous and cause large damage to life and property. When the wire of sensor is broken and the controller does not know the open wire status, the system may heat the boiler continuously and result in fire or explosion. Our thermocouple, RTD, thermistor modules provide open wire detection and make the system safer.

