



## Features

- 8 Thermocouple Input Channels
- Ethernet-based smart I/O
- Mixed I/O in single module
- Pre-built HTTP server and web page for data/alarm monitoring
- User-defined web pages
- Active alarm/event handling
- Modbus/TCP protocol
- Remote F/W upgrade through the internet
- Pre-built math functions

## Specifications

Analog Input															
<b>Channels</b>	8 differential, Thermocouple														
<b>Thermocouple Type and Range</b>	<table border="0"> <tr><td><b>J</b></td><td>0 ~ 760°C</td></tr> <tr><td><b>K</b></td><td>0 ~ 1370°C</td></tr> <tr><td><b>T</b></td><td>-100 ~ 400°C</td></tr> <tr><td><b>E</b></td><td>0 ~ 1000°C</td></tr> <tr><td><b>R</b></td><td>500 ~ 1750°C</td></tr> <tr><td><b>S</b></td><td>500 ~ 1750°C</td></tr> <tr><td><b>B</b></td><td>500 ~ 1800°C</td></tr> </table>	<b>J</b>	0 ~ 760°C	<b>K</b>	0 ~ 1370°C	<b>T</b>	-100 ~ 400°C	<b>E</b>	0 ~ 1000°C	<b>R</b>	500 ~ 1750°C	<b>S</b>	500 ~ 1750°C	<b>B</b>	500 ~ 1800°C
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<b>Input Impedance</b>	10 kΩ														
<b>CMR @ 50/60 Hz</b>	92 dB min.														
<b>Resolution</b>	16 bits														
<b>Accuracy</b>	±0.1% or better														
<b>Isolation Voltage</b>	2000 VDC														
<b>Sampling Rate</b>	10 samples/sec														
<b>Bandwidth</b>	13.1 Hz @ 50 Hz 15.72 Hz @ 60 Hz														
<b>Span Drift</b>	±25 ppm/°C														
<b>Zero Drift</b>	±6 μV/°C														

Digital Output	
<b>Channels</b>	8
<b>Type</b>	Open Collector to 30 V 100 mA max. load

General	
<b>Certifications</b>	CE, FCC class A
<b>Connectors</b>	(1) RJ-45 (LAN) Plug-in screw terminal block (I/O & power)
<b>Dimensions</b>	70 x 112 x 25 mm (WxHxD)
<b>Enclosure</b>	ABS+PC
<b>LAN</b>	10/100 Base-T
<b>LED Indicators</b>	Power and communication
<b>Mounting</b>	DIN 35 rail, stack, wall
<b>Power Consumption</b>	2 W
<b>Power Input</b>	Unregulated 10~30 VDC
<b>Relative Humidity</b>	<b>Operating:</b> 20 ~ 95% <b>Storage:</b> 0 ~ 95%
<b>Temperature</b>	<b>Operating :</b> -10 ~ 70°C <b>Storage:</b> -20 ~ 80°C

Protection	
<b>Watchdog Timer</b>	Yes, programmable (Comm.)
<b>Power Protection</b>	Withstands overvoltage up to ±35 V
<b>Optical Isolation</b>	2,000 VRMS

