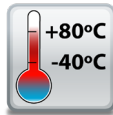


# ED-593 Ethernet to 8x Thermocouple

8 Channel Thermocouple Input

- Factory floor process control and automation
- 8 Channel Differential Thermocouple Inputs
- Measurement Range: -265°C to +1820°C / -445°F to 3308°F
- 1 Ethernet Port
- -40°C to +80°C/-40°F to +176°F product operating temp. range
- Covers most standard thermocouple types
- Software APIs for VB, C# and more



Non conducting polyamide casing with removable numbered terminal blocks for easy wiring



+5VDC to +30VDC Volt Power Input enables the device to be run from USB, a vehicle battery or the factory floor



Integral DIN mount and slim design takes up minimal cabinet space



GB AEOF 00031/11

# ED-593

# Ethernet to 8x Thermocouple

Easy wire removable screw terminal blocks

Integrate with popular software packages or use with our free APIs

8 thermocouple inputs

Integral DIN rail clip with earth

Serial expansion port suitable for ADAM modules

View from webpage - no software required

Cold Junction Compensation (CJC)



IP20 non-conducting polyamide case with vents

-40°C to +80°C / -40°F to +176°F operating temp. range

Wide range input power: +5VDC to +30VDC

## Connectors

Screw Terminals	3.5mm pitch
Wire Thickness	#22 - #14, 0.5mm <sup>2</sup> -2.5mm <sup>2</sup>

## Environmental

Operating Temperature	-40°C to +80°C / -40°F to +176°F
Storage Temperature	-40°C to +85°C / -40°F to +185°F
Ambient Relative Humidity	5 to 95% (non-condensing)

## Magjack LED Information

Link/Activity LED	Solid green	Connection established
	Flashing Green	Data communication
Speed LED	Green	100Base-Tx
	Unlit	10Base-T

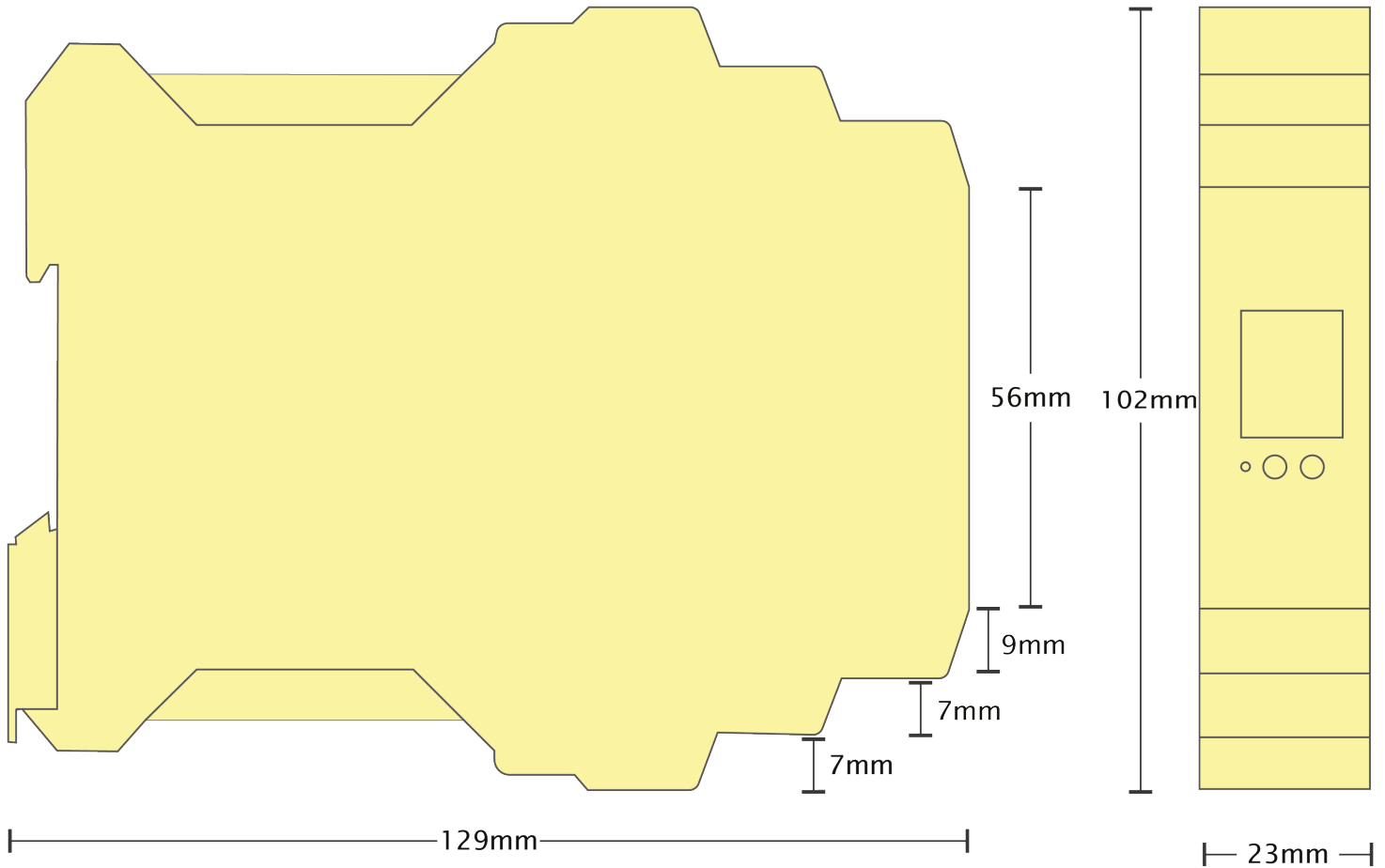
## Ethernet

Ethernet Port	RJ45 jack, 10/100Mhz autosensing, crossover auto sensing (Auto MDIX)
Protection	1,500 Volts Magnetic Isolation On Port

Housing	IP-20 rated non-conducting polyamide case
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# ED-593

# Ethernet to 8x Thermocouple



Terminal Block Pin Outs

Terminal Block	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
Yellow	AGND	TC 0-	TC 0+	TC 1-	TC 1+
Orange	AGND	TC 2-	TC 2+	TC 3-	TC 3+
Grey	GND	RS-485 D-	RS-485 D+	RS-485 D+	RS-485 D-
Green	AGND	TC 4-	TC 4+	TC 5-	TC 5+
Blue	AGND	TC 6-	TC 6+	TC 7-	TC 7+
Black	-V	+VA	+VB	-V	Func GND
Power Input		+5V to +30V DC			

Ethernet Port Pin Outs

PIN	FUNCTION
1	RD+ / TD+
2	RD- / TD-
3	TD+ / RD+
4	NC
5	NC
6	TD- / RD-
7	NC
8	NC

**Lifetime Warranty and Support:**

We can help with every aspect of your project, from getting you up and running to custom application.





