



## TECHNICAL DATA SHEET

<b>THERMISTOR PROTECTION RELAY</b>			
<b>PRODUCT IDENTIFICATION</b>	<b>TPR-1C</b>	<b>TPR-4C</b>	<b>TPR-L-4C</b>
TECHNICAL SPECIFICATION	Single channel	Four channel	Four channel
SUPPLY VOLTAGE	220/230 V AC $\pm$ 20% 50Hz	220/230 V AC $\pm$ 20% 50Hz	24 V DC $\pm$ 15%
OUTPUT RELAY CONTACTS	1NO & 1NC 5A,230V AC (Resistive), Potential Free	1NO & 1NC 5A,230V AC (Resistive), Potential Free	1NO & 1NC 5A,230V AC (Resistive), Potential Free
TYPE OF THERMISTOR	PTC	PTC	PTC
THERMISTOR SENSOR HEALTHY	100 $\Omega$ -3K $\Omega$	100 $\Omega$ -3K $\Omega$	100 $\Omega$ -3K $\Omega$
THERMISTOR SENSOR TRIP	3.1K $\Omega$ -5.5K $\Omega$	3.1K $\Omega$ -5.5K $\Omega$	3.1K $\Omega$ -5.5K $\Omega$
THERMISTOR SENSOR OPEN	>5.5K $\Omega$	>5.5K $\Omega$	>5.5K $\Omega$
THERMISTOR SENSOR SHORT	<10 $\Omega$	<10 $\Omega$	<10 $\Omega$
TRIP TIME DELAY	less than 2 Secs	less than 2 Secs	less than 2 Secs
NO. OF SENSING CHANNEL	1	4	4
RESET METHOD	Manual	Manual	Manual
TEST BUTTON	Available	Available	Available
DIP SWITCH	-	For Channel Selection	For Channel Selection
SAFE LED INDICATION	-	Available	Available
AMBIENT TEMPERATURE	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
TERMINALS	No. 14 AWG/2.5mm <sup>2</sup> Max 12-20 Lb.in/1.3-2.3 Nm	No. 14 AWG/2.5mm <sup>2</sup> Max 12-20 Lb.in/1.3-2.3 Nm	No. 14 AWG/2.5mm <sup>2</sup> Max 12-20 Lb.in/1.3-2.3 Nm
MOUNTING	M4 Screw & Din Rail	M4 Screw & Din Rail	M4 Screw & Din Rail