



36 x 72mm

Features :

- 3 Digits, 7 Segment LED Single Display
- LED Status Indicator : Set Point Lock, Defrost, Relay ON, Alarm ON
- °C / °F Selectable
- Defrost Management
- High & Low Temperature Alarm
- Compact Size

Certifications :

Display Specifications

Display	3 Digits 7 Segment LED Single Display Height of Display 0.4"
LED Indications	Set point lock, Defrost, Relay ON, Alarm

Input Specifications

Inputs	NTC
Resolution	1 / 0.1°
Setpoints	1
Indication Accuracy	±0.25% of F.S. ±1°C (F.S. = Full Scale)

Output Specifications

Outputs (optional)	1 or 2
Control	1
Relay Contact (SPDT)	10A @ 230V AC, resistive or 20A @ 230V AC (SPDT), resistive
Alarm Output (optional)	
Contact Rating SSR Drive	5A @ 230V AC (SPST), resistive 12V DC, 10mA

Functional Specifications

Control Action	ON - OFF
Hysteresis	0.1 to 9.9
Alarm Modes	High Alarm, Low Alarm
Display Offset Adjustment	-19.9 to 20.0
Restart Time Delay	Adjustable from 00 to 99 minutes
Relay Action	Heat & cool mode
Defrost Time	Programmable from 00 to 99 minutes
Defrost Frequency	Programmable from 00 to 99 (Hr / Min / Sec)

Specifications for NTC Sensor

Sensor Type	NTC probe
Thermistor Range	-40 to 100°C
Nominal Resistance	10K ohms @ 25°C

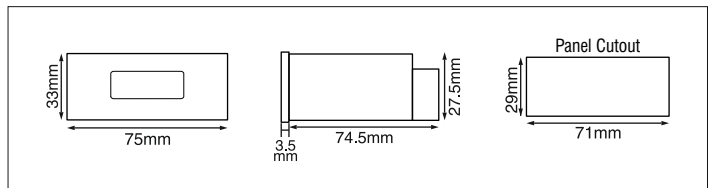
Auxiliary Supply Specifications

Supply Voltage	85 to 270V AC / DC (50 / 60Hz) OPTIONAL - 24V AC / DC, ±10%
Power Consumption	5 VA max @ 230V AC

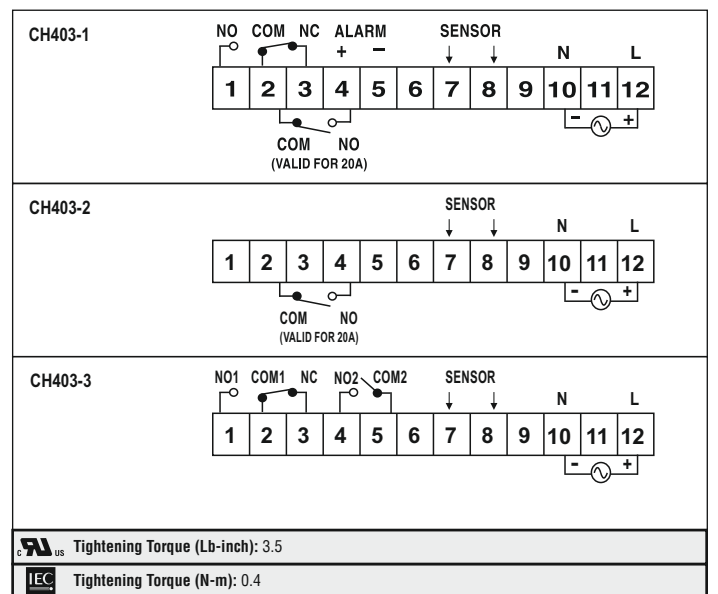
Environmental Specifications

Temperature	Operating : 0 to 50°C (32 to 122°F) Storage : -20 to 75°C (-4 to 167°F)
Humidity (non - condensing)	95% RH
Weight	110 g

Dimensions




Terminal Connections



Tightening Torque (Lb-inch): 3.5

Tightening Torque (N-m): 0.4

Ordering Information

PRODUCT CODE	OUTPUT		SUPPLY VOLTAGE	CERTIFICATION
	CONTROL OUTPUT	ALARM OUTPUT		
CH403-1-NTC	RELAY	SSR	85 to 270V AC / DC	CE
CH403-1-NTC-CU	RELAY	SSR	85 to 270V AC / DC	CE 
CH403-2-NTC	RELAY	--	85 to 270V AC / DC	CE
CH403-3-NTC	RELAY	RELAY	85 to 270V AC / DC	CE

Accessory (Also available separately on request)

PROBE



MODEL	Sensor type	Temperature range (°C)	Nominal Resistance
TSP04	NTC probe	-40 to +100	10 K ohms @ 25°C

Sensor provided with product

NTC Sensor (see Specifications of NTC Sensor for details)	TSP04
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