

Cooling Controller 7 Segment LED Display

FEATURES

- 3 Digit 7, Segment LED
- °C / °F
- Defrost Management
- High and Low Temperature Alarm
- Up to 20A Relay Output
- Compact Size
- Easy to use
- Size: 36mm x 72mm



CAT. NO.

CH403

Display	
Display Type	7 Segment LED Display
Digits	1 row of 3 digits
Resolution	1/0.1 Degree for NTC
LED Indication	Set point lock / Defrost / Relay ON / Alarm
Supply Specification	
Input Voltage	85-270V AC/DC (50/60Hz)
Input specification	
Input Measurement	NTC probe
Thermistor Range	-40 to 100° C
Output Specification	
Main Output	SPDT - 10A @ 230V AC, resistive Optional- SPST - 20A @ 230V AC, resistive (no alarm)
Optional Alarm Output	SPST - 5A @ 230V AC, resistive OR SSR Drive - 12V DC, 10mA
Functional Specification	
Control Action	On-Off
Mode	Heat and Cool
Alarm Modes	High alarm, Low Alarm
Hysteresis	0.1-9.9°
Temperature Unit	°C / °F
Defrost Time / Frequency	Programmable from 0-99min , 0-99 sec/min/hr
Restart Time Delay	Adjustable 0-99min
Power Consumption	5VA max @230V AC
Setpoints	1
Accuracy	
NTC Input	0.25% of Full Scale ±1°C
Environmental Specification	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 75°C (-4 to 167°F)
Humidity (Non-Condensing)	95% Relative Humidity
Weight	110 grams (.242 lbs)

Ordering Information

Part No.	Control Output	Alarm Output	Supply Voltage	CE	RoHS	UL
CH403-1-NTC-CU	10A Relay	12V DC SSR	85-270V AC/DC	●	●	●
CH403-2-NTC-CU	20A Relay	-	85-270V AC/DC	●	●	●
CH403-3-NTC-CU	10A Relay	5A Relay	85-270V AC/DC	●	●	●

Accessory (also available separately on request)

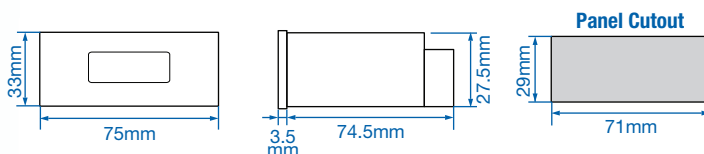
Model	Sensor Type	Temperature Range	Nominal Resistance
TSP04	NTC probe	-40 to +100 °C	10 K ohms @ 25°C



Sensor Provided with Product

NTC Sensor	TSP04
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DIMENSIONS



TERMINAL CONNECTIONS

