



36 x 72

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**FEATURES**

- Compact Size.
- Indication in °C & °F selectable.
- High indication accuracy: ± 0.25%.
- Sensor NTC factory set.
- Programmable High and Low alarm.
- Restart time delay.
- Setpoint lock
- Time based defrost management.
- Selectable Hysteresis.
- Programmable display offset.
- Selectable relay action (Heat / Cool).
- Universal supply voltage : 85 to 270 VAC/DC.
- Optional 24VAC / DC models available(Consult factory).
- Compliance: CE, RoHS

**ORDERING CODE -**

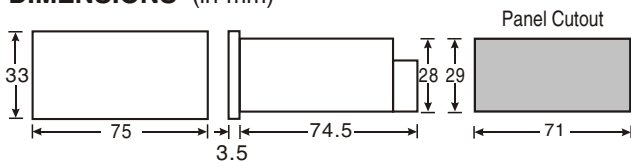
CH402	-	A
CH403		
<b>A</b>	<b>Main and Alarm Output</b>	
1	Main :10 A relay	Alarm : 12 VDC to drive SSR
2	Main :20 A	Alarm: Not applicable
3	Main :10 A relay	Alarm : 5 A relay

NOTE : For 24VAC/DC models add suffix '- 24'

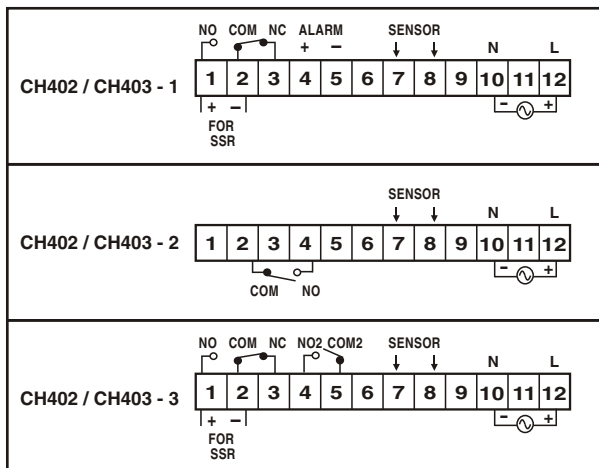
**ORDERING EXAMPLE**

1. CH403 - 2 → Main : 20 A  
Alarm : Not applicable

**DIMENSIONS (in mm)**



**TERMINAL CONNECTION**



**SPECIFICATIONS**

- SUPPLY VOLTAGE** 85 to 270 VAC/ DC.  
(AC @ 50 or 60 Hz, 2.75 VA)  
Optional 24 VAC/ DC (Consult factory).
- DISPLAY** **CH403:** 3 digits, 0.5", Red LED's.  
**CH402:** 2 digits, 0.5", Red LED's.
- SENSOR TYPE** NTC probe TSP04
- CONTROL ACTION** ON/ OFF with programmable hysteresis.
- SET POINTS** Main, High Alarm, Low Alarm.
- ACCURACY** ± 0.25% (full scale).
- SETTING** Via keys on front panel.
- RELAY ACTION** Heat mode.  
Cool mode.
- SENSOR BREAK** PP indicated on display, relay off for probe Open / Over-range / Under range.

- ALARM INDICATIONS** High Alarm: display alternates between 'HA' / 'PV' value for 1sec.  
Low Alarm: display alternates between 'LA' / 'PV' value for 1sec.

- OUTPUT** **For main set point:** SPST, 10A @230 VAC. SSR drive available on request.  
20A relay models available.  
**For Alarm:** 12VDC @ 10mA. 5A relay models available on request.

- TEMPERATURE** Operating: 0 to 50°C,  
Storage: -5 to 50°C.

- HUMIDITY** 95% RH.

- WEIGHT** 110 grams

**PROBE**

Accessory for use with CH402 / 403



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