36 x 72mm

Features :

- **2½ Digits, 7 Segment LED single white display**
- **Capacitive touch keypad**
- **LED status indicator: Set point lock, Defrost, Relay ON, Alarm ON**
- **°C/°F selectable**
- **Defrost management**
- **High & low temperature alarm, door alarm, sensor break alarm**
- **Door open alarm delay**
- **IDM (optional)**
- **Cyclic timer (optional)**

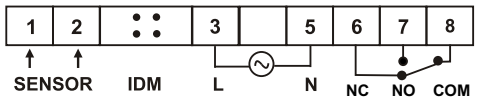
Certifications: IP65

Technical specifications

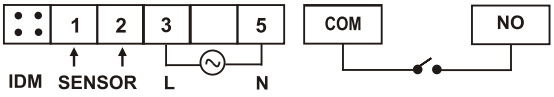
Display	2½ Digits 7 Segment LED single display
LED indication	Set point lock, Defrost, Relay ON, Alarm
Inputs	NTC
Resolution	0 / 0.1°
Set point	1
Indication accuracy	±1°
CH403B-1-NTC	Main Output: NO:10A 250 VAC/ 24 VDC NO/ NC: 5A/ 5A 250 VAC/ 24V DC
CH403B-2-NTC	Main output: SPST, 20A @ 250 VAC/ 30 VDC
CH403B-3-NTC	Main Output: SPST, 20A @ 250 VAC/ 30 VDC Alarm Output: NO/ NC: 5A/ 3A 277 VAC/ 30 VDC
Control action	ON-OFF
Hysteresis	0.1 to 99.9°
Alarm modes	High alarm, Low alarm, Door open alarm
Display offset adjustment	- 19.9 to 19.9°C
Reset time delay	Programmable form 00 to 19.9 min
Relay action	Heat & cool mode
Defrost time	Programmable from 00 to 99 min
Defrost frequency	Programmable from 00 to 99 (Hr / min / sec)
Sensor type	NTC probe
Thermistor range	- 40 to100°C
Nominal resistance	10KΩ @ 25°C
Supply voltage	230 VAC @ 50/ 60Hz
Power consumption	3 VA maximum
Temperature	Operating: 0°C to 60°C ; Storage: -20°C to 75°C
Humidity (non - condensing)	95% RH
Mounting	Panel
Weight	CH403B-1-NTC: 150 gms CH403B-2-NTC: 150 gms CH403B-3-NTC: 185 gms

Terminal connections

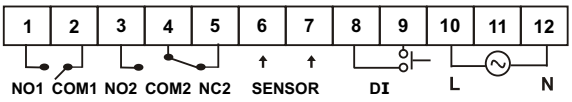
CH403B-1-NTC



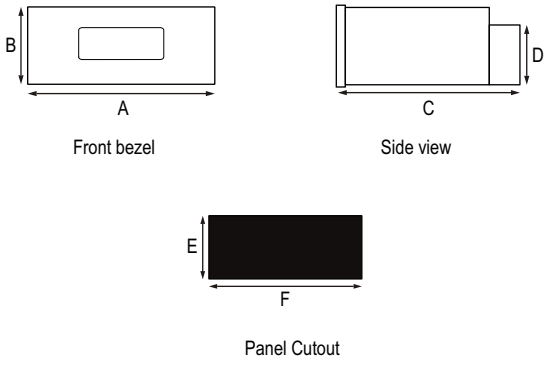
CH403B-2-NTC



CH403B-3-NTC



Dimensions (All are in mm)



DIM	A	B	C	D	E	F
CH403B	76	34.50	65.30	28.60	29	71

Sensor provided with product

NTC Sensor	TSP04

Probe



Model

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

Ordering information

CH403B-1-NTC	RELAY (10A)	- - -	90 to 270 VAC/ DC	- - -
CH403B-2-NTC	RELAY (20A LUG Type)	- - -	90 to 270 VAC/ DC	- - -
CH403B-3-NTC	RELAY (20A)	RELAY (5A)	90 to 270 VAC/ DC	- - -