

36 x 72mm

Features:

- 3 Digits, 7 Segment LED single white display
- · Capacitive touch keypad
- LED status indicator : Set point lock, Defrost, Relay ON
- °C/°F selectable
- Defrost management
- IDM applicable
- Compact size

Certifications : **(€**

Display specifications

Display	3 Digits 7 Segment LED single white display
LED indications	Set point lock, Defrost, Relay ON

Input specifications

Inputs	NTC
Resolution	1 / 0.1°
Setpoints	1
Indication accuracy	±1% of Full scale

Output specifications

Relay contact	SPDT 10A @ 250V AC
Special feature	IDM

Functional specifications

Control action	ON - OFF
Hysteresis	0.1 to 9.9
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 90°C	
Nominal resistance	10K ohms @ 25°C	

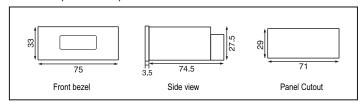
Auxiliary supply specifications

Supply voltage	230V AC @ (50 / 60Hz)
Power consumption	3 VA max @ 230V AC

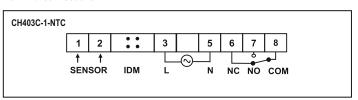
Environmental specifications

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	150 gms

Dimensions (All are in mm)



Terminal connections



Compliance

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category		Standards Compliance
ESD Immunity	IEC 61000-4-2	Level III
Surge Immunity	IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated Susceptibility	Level III, 80 to 1000MHz IEC 61000-4-3	
Conducted Susceptibility	onducted Susceptibility IEC 61000-4-6 Level II	
Voltage Dips and Interruptions	IEC 61000-4-11	Dips: 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C)70% residual voltage / 25 cycles50Hz / 30 cycles 60Hz (Criteria C) Interruptions: 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted Emission	CISPR-11	
Radiated Emission	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level III

Ordering information

Product code	Control Output	Supply Voltage	Certification
CH403C-1-NTC	RELAY	230V AC	C€

Sensor provided with product

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

Accessory(Also available separately on request)

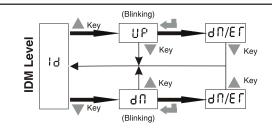
PROBE



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

Independent Downloader Module (IDM)





IDM Level		
Display	Parameter Description	
19	Independent Downloader Module	
UP	Upload from product to IDM	
٩ ٢	Download from IDM to product	
٩0	Operation Successful	
13	Operation unsuccessful	

www.selec.com 1