

EDT2412A

Small Size Temperature Controllers



Digital Defrost Thermostat

EDT2412A is a temperature controller has NTC probe input, relay output. Compressor protection parameters can be entered. The measurement temperature range is between -60.0~150.0. Without energy to the device can be transferred parameter with "ENDAKEY". Optionally, with RS485 Modbus protocol communication feature. Making defrost and energy-saving feature with RTC (Real Time Clock).



Features

- Relay output for cooling or lighting control.
- In the keys of probe failure, output state can be selected on, off or periodical running.
- Defrosting duration and interval can be adjusted.
- 6 different warning tones.
- Temperature unit can be selected °C or °F.
- Upper and lower limits of the alarm value can be adjusted depending on the setpoint value.
- Digital input. (Optional)
- With digital input defrost starting and lighting feature.
- With RS485 ModBus protocol communication feature. (Optional)
- With Real Time Clock making defrost and energy-saving feature.

Specifications

Process Value Display	4 digits, 12.5mm, 7 yellow LED
Keyboard	Micro switch
Dimensions	W77xH35xD61 mm
Mounting	Suitable for flush-panel mounting
Weight	Approx. 190 g (After packing)
Power Consumption	5VA
Connection	2.5mm ² socket terminal
Supply Voltage	230V AC±%10-~%20, 50/60Hz or 12/24V AC/DC±%10
Data Protection	EEPROM (minimum 10 years)
Input	NTC
Sensitivity	0.1°C
Scala	-60.0...150.0°C
Accuracy	±1°C
Time Accuracy	±%1
Relay Output	For EDT 2412-X-R; Relay: 250V AC, 8A (for resistive load), NO+NC
Lighting Output	For EDT 2412-X-R; Relay: 250V AC, 8A (for resistive load), NO
Hysteresis	1...20.0°C
Control Form	Single set-value control
Control Method	On-Off

Dimensions



Ordering Guide

MODEL: EDT2412A ■ - ■ - ■ - ■

Supply Voltage	230	230V AC
	24	24V AC/DC
	12	12V AC/DC
	SM	9-30V DC/7-24V AC
Output	R	8A relay output
	P	20A relay output
Real Time Clock	RTC	Only valid for 8A relay output devices (optional)
MODBUS	RS	ModBus (optional)