

Enclosure Air Conditioning Temperature Controller

ESM-1510



- *Internal Temperature Sensor*
- *Heating / Cooling Applications*
- *Economical*
- *Easy to Use*
- *DIN RAIL Mounting*
- *3 Digits display*
- *Adjustable temperature offset value*
- *ON / OFF Temperature Control*
- *Selectable Heating or Cooling function*
- *Set Value Low Limit and Set Value High Limit Boundaries*
- *Relay or SSR Driver output*
(It must be determined in order.)
- *Operation selection of compressor operates continuously, stops or operates periodically in case of probe defect*
- *Compressor Protection Times*

SPECIFICATIONS

Measurement Range: It is in ordering information

Accuracy: $\pm 1\%$ of scale

Sensor Break Protection: Upscale

Sampling Cycle: 3 samples per second

CONTROL

Control Form: ON/OFF

ON/OFF hysteresis: It can be configured by the user

OUTPUTS

Control Output:

Relay (5A@250V~at resistive load) or

SSR Driver Output (Max. 20mA@12V=)

Supply Voltage:

230V~(±15%) 50/60 Hz - 1.5VA

115V~(±15%) 50/60 Hz - 1.5VA

24V~(±15%) 50/60 Hz - 1.5VA

12V~(±15%) 50/60 Hz - 1.5VA

(Supply voltage must be determined in order)

ENVIRONMENTAL RATINGS and PHYSICAL SPECIFICATIONS

Operating Temperature: 0...50°C

Humidity: 0-90%RH (none condensing)

Protection Class: IP20

Dimensions:

H: 86mm / W: 35mm / D: 59 mm

Mounting:

DIN RAIL Mounting Type

Ordering Information

ESM-1510 Panel Thermostat	A	BC	D	E	/	FG	HI	/	U	V	W	Z
			0		/	00	00	/	1	9	0	0

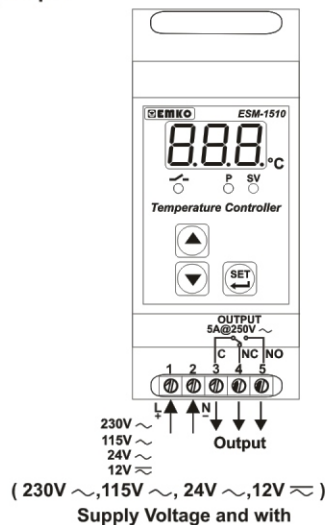
A	Supply Voltage
3	24V ~ (± 15%) 50/60Hz
4	115V ~ (± 15%) 50/60Hz
5	230V ~ (± 15%) 50/60Hz
6	12V ~ (± 15%) 50/60Hz

BC	Input Type	Scale(°C)	
12	PTC(Note-3)	-50°C	150°C
15	PTC(Note-3)	-19.9°C	99.9°C

E	Output-1
1	Relay Output (Resistive load 5A@250V ~ , 1 NO + 1NC)
2	SSR Driver Output (Max. 20mA@ 12V ---)

Electrical Wiring

(230V ~, 115V ~, 24V ~, 12V ~) Supply Voltage and with Relay Output



Note-3: The Temperature Sensor is Inside of the Unit

