

## ESM-3712-CN

Digital ON/OFF + DEFROST Cooling Controller

3 Output for compressor, defrost and fan controls

Separately adjustable 2 offset value for cabinet and evaporator sensor

Operation selection of compressor operate continuously,

stops or operates periodically in case of cabinet probe defect

Fan can be operated depending on evaporator temperature or (cabinet-evaporator) temperature

Cooling Application

NTC Input or PTC Input (Must be determined in order.)

ON/OFF Control

Adjustable °C and°F

Set value boundaries

Selectable defrost function (hot gas or electric)

Adjustable defrost time from front panel

Installing parameters using Prokey (Optional)

Remote access, data collecting and controlling with ModBus RTU (Optional)

Share :



Features	Descriptions
<b>Physical Features</b>	
<b>Dimensions</b>	76mm x 34,5mm x 71mm
<b>Protection Class</b>	IP65 at front, IP20 at rear
<b>Installation</b>	Fixed Installation
<b>Storage / Operating Temperature</b>	-40°C with +85°C / 0 °C with +50°C
<b>Storage / Operating Humidity</b>	90 % max. (None condensing)
<b>Electrical Features</b>	
<b>Supply Voltage and Power</b>	230 Vac (+%15) 50/60 Hz. 1.5 VA 115 Vac(+%15) 50/60 Hz. 1.5 VA 24 Vac(+%15) 50/60 Hz. 1.5 VA 24Vac/dc (+%15) 50/60 Hz 100-240Vac 50/60Hz 10-30Vdc 1.5 W
<b>Sensor Inputs</b>	NTC (10k ohm @.25 °C) PTC(1000 ohm @.25 °C)
<b>Optional Sensor Inputs</b>	
<b>Scale</b>	NTC -50°C...100°C / -50.0°C...100.0°C PTC -50°C...150°C / -50.0°C...150.0°C

<b>Accuracy</b>	± % 1 of full scale for the Thermoresistance
<b>Output</b>	
<b>Relay Output</b>	16(8)A@250 Vac at resistive load (Compressor Output) 5A@250 Vac at resistive load (Defrost Output) 5A@250 Vac at resistive load (Fan Output)
<b>SSR Output</b>	
<b>Analogue Output</b>	
<b>Optional Outputs</b>	
<b>Control</b>	
<b>Control Form</b>	On / Off
<b>Reading Frequency</b>	3 readings per second
<b>Communication Protocols</b>	RS-485
<b>Approvals</b>	EAC, CE

**Isıtma Pisirme Control Cihazları**