

ESM-3722

Digital ON/OFF and PID Hatcher Controller

Temperature and Humidity

(NTC, PTC, PT-100 or ProNem Mini PMI-D)

Humidity Sensor Input

(0/2..10V, 0/4..20mA or ProNem Mini PMI-D)

Auto-Tune PID

Egg Tray manuel operation from front panel

4 Digits Temperature and 4 Digits Humidity Display

Pronem PMI-P Temperature Sensor Input

Pronem Mini PMI-P Humidity Sensor Input

4 Output for

Temperature Control Output, Egg Tray Turning Output

Humidity Control Output, Alarm Control Output

PID or ON/OFF Selectable Temperature Control

Temperature and Humidity Set Value Boundaries

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Features	Descriptions
Physical Features	
Dimensions	76 mm x 34,5 mm x 71 mm
Protection Class	NEMA 4X (IP65 at front, IP20 at rear)
Installation	Fixed Installation
Storage / Operating Temperature	-40°C to +85°C / 0°C to +50°C
Storage / Operating Humidity	90 % max. (None condensing)
Electrical Features	
Supply Voltage and Power	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 24 Vac/dc (+%15, +%10) 50/60 Hz. 1.5 VA 10-30Vdc 1,5 W
Sensor Inputs	ProNem Mini PMI-P, NTC, PTC, RTD
Optional Sensor Inputs	
Scale	ProNem Mini PMI-P -20°C / 80°C PT 100 0°C...100°C NTC 0°C...100°C PTC 0°C...100°C
Accuracy	± % 1 of full scale

Output	
Relay Output	5A@250 Vac at resistive load (heating output) 3A@250 Vac at resistive load (humidificating,alarm and egg tray rotator outputs)
SSR Output	Maximum 30mA, Maximum 15V
Analogue Output	
Optional Outputs	
Control	
Control Form	On / Off and PID
Reading Frequency	
Communication Protocols	
Approvals	EAC, CE