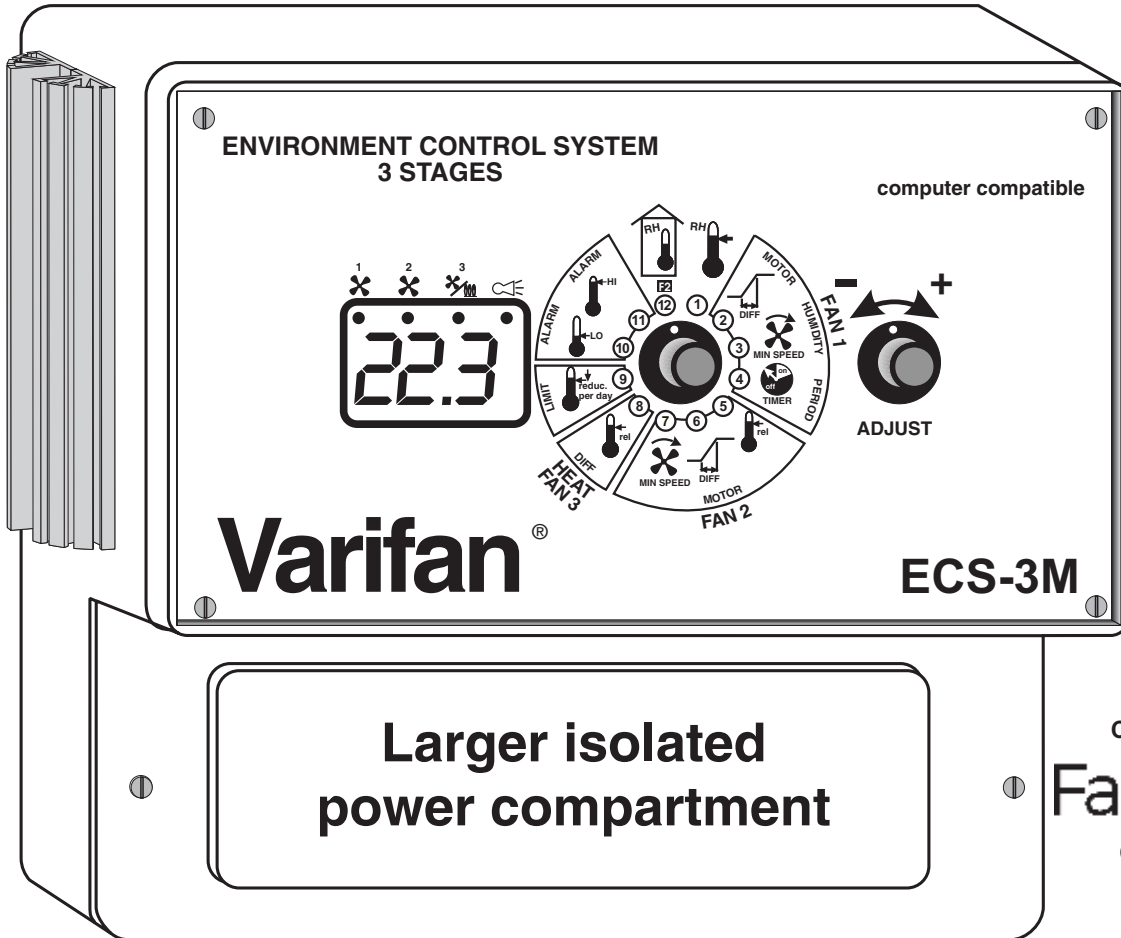


# ECS-3M

## 3 STAGES

2 variable - 1 heater / ventilation



## FEATURES:

### M Series

- Inlet Proportional positioning for each stage with DIP-1 module (optional)
- DIP-1 with potentiometer feedback
- Most effective lightning protection
- Extended temperature range
- Extended supply voltage range
- PC or network compatible
- Alarms, Hi/Lo, lost of power & defective control
- Timer on minimum speed
- Automatic temperature ramping
- Control humidity with humidity probe (optional)
- Choice of 8 motor curves
- Full torque start (4 sec.)
- Hi / Lo temperature recall
- Maintain settings after power lost
- Radio interference filter

# FUNCTIONS

	DIAL/SYMB.	1st FUNCTION	RANGE	INCREMENTS	2nd FUNCTION	RANGE	INCREMENTS
	①	<input type="checkbox"/> Main Temperature	-9.5 to 41.0° C	0.5° C	<input type="checkbox"/> *R.H. Set Point	30 to 80%	1%
STAGE 1 VARIABLE	②	<input type="checkbox"/> Temperature Differential	1.0 to 10.0° C	0.5° C	<input type="checkbox"/> Motor	1 to 8	1
	③	<input type="checkbox"/> Minimum Speed	12 to 100 %	2 %	<input type="checkbox"/> *Hi Humidity Speed	12 to 100 %	2 %
	④	<input type="checkbox"/> % On Time	Auto shut off OFF, 5 to 95%, ON Cont. vent.	5%	<input type="checkbox"/> Duty cycle Timer	1 to 10 min.	1 min
STAGE 2 VARIABLE	⑤	<input type="checkbox"/> Relative Set Point	0.0 to 10.0° C	0.5° C			
	⑥	<input type="checkbox"/> Temperature Differential	1.0 to 10.0° C	0.5° C	<input type="checkbox"/> Motor	1 to 8	1
	⑦	<input type="checkbox"/> Minimum Speed	12 to 100 %	2 %			
HEAT/FAN	⑧	<input type="checkbox"/> Relative Set Point	-5.0 to 10.0° C	0.5° C	<input type="checkbox"/> Temperature Differential	0.5 to 3.0° C	0.5° C
RAMP-ING	⑨	<input type="checkbox"/> Temp. Reduc per day	OFF, -0.01 to -0.50° C	0.01° C	<input type="checkbox"/> Lo Temp. Limit	-9.5 to 41.0° C	0.5° C
HI/LO ALARM	⑩	<input type="checkbox"/> Lo Temperature	-10.0 to 40.5° C	0.5° C	<input type="checkbox"/> Lo Relative Alarm Set Point	18.0 to 0.0° C	0.5° C
	⑪	<input type="checkbox"/> Hi Temperature	-10.0 to 40.5° C	0.5° C	<input type="checkbox"/> Hi Relative Alarm Set Point	0.0 to 18.0° C	0.5° C
	⑫	<input type="checkbox"/> Room Temperature	-9.9 to 40.9° C	0.1° C	<input type="checkbox"/> Room R.H.	30 to 90%	1%

\* As relative humidity increases above set point, fan 1 minimum speed will increase to reach Hi humidity speed (2nd) at 10 % RH above set point.

## ECS-3M

ECS3M3

### SPECIFICATIONS:

- Power Supply : 115 / 230V (-20% / + 10%) 50 / 60Hz
- Capacity: 2 variables 6 Amp. Nom. (10 Amp. Max.)  
1 relay 10 Amp. Max.  
Alarm relay 30V AC/DC 2 Amp. Max.
- Temperature: -10.0 to 41.0 °C (13.5 to 105.5 °F)
- Humidity: 30 to 90%

### OPTIONS:

- Humidity Probe RH-3
- DIP-1 Digital Inlet Positionner with 24 V power supply

## MONITROL

Manufactured by **Monitrol Inc.**  
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Boucherville (QC) J4B 5Z5  
Canada

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www.monitrol.com

All descriptions and features can be changed without notice.

### DIP SWITCHES

	FUNCTIONS	OFF ON	
		1	TEMPERATURE
2	LOCK CONTROL VALUES	YES	NO
3	STAGE 3 MODE	heat.	vent.
4	ADDITIONAL PROBE		RH

TO CONNECT A HUMIDITY PROBE, DIP SWITCH #4 MUST BE AT ON.