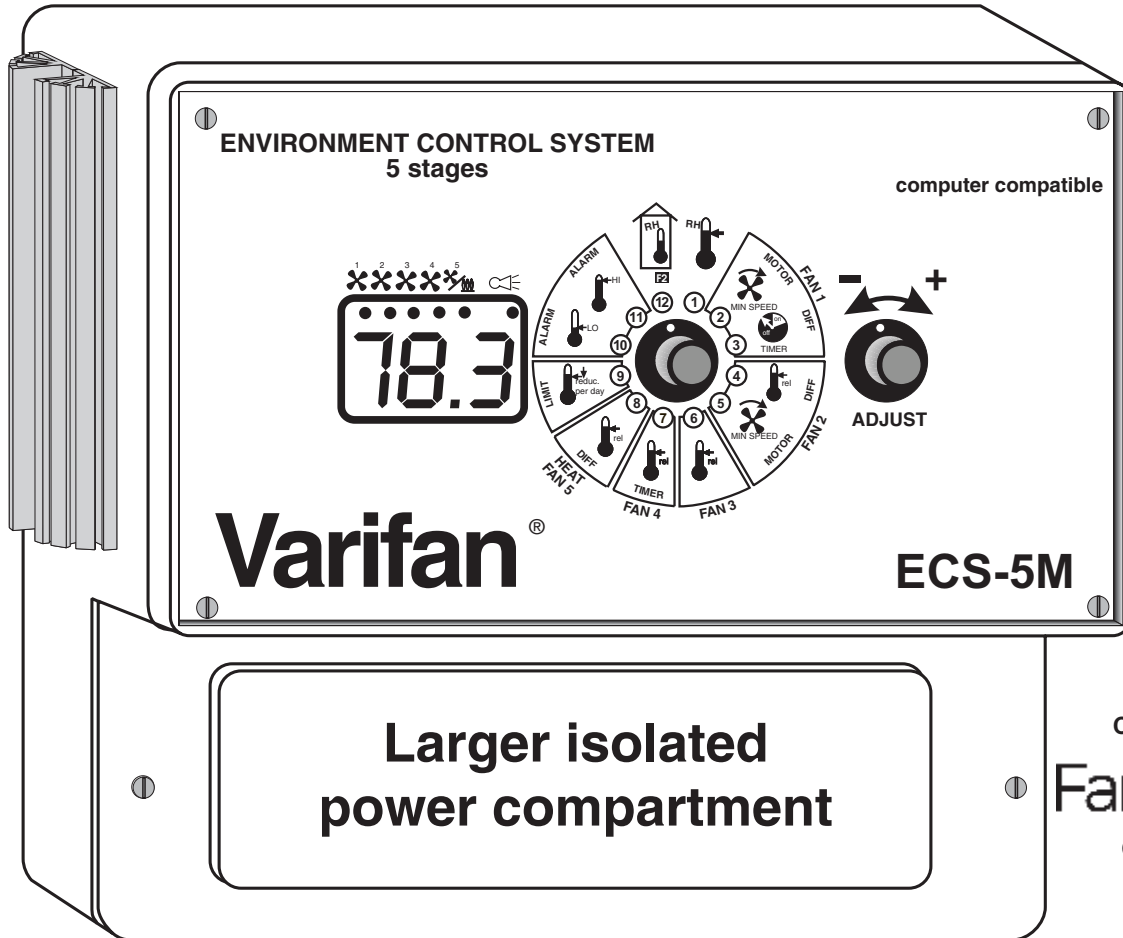


# ECS-5M

## 5 STAGES

2 Variable - 2 ON / OFF - 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, loss of power & defective control
- Timer on minimum speed
- Automatic temperature ramping
- Controls humidity with humidity probe (optional)
- Choice of 8 motor curves
- Full torque start (4 sec.)
- Hi / Lo temperature recall
- Maintain settings after power loss
- Radio interference filter

# FUNCTIONS

	DIAL/SYMB.	1st FUNCTION	RANGE	INCREMENTS	2nd FUNCTION	RANGE	INCREMENTS
	①	<input type="checkbox"/> Main Temperature	-9.5 to 41.00° C	0.5° C	<input type="checkbox"/> * R.H. Set Point	30 to 80%	1%
STAGE 1 VARIABLE	②	<input type="checkbox"/> Minimum Speed	12 to 100 %	2 %	<input type="checkbox"/> Motor	1 to 8	1
	③	<input type="checkbox"/> % On Auto shut off fixed 3 min. OFF, 5 to 95%, ON Cont.		5%	<input type="checkbox"/> Temperature Differential	1.0 to 10.0° C	0.5° C
STAGE 2 VARIABLE	④	<input type="checkbox"/> Relative Set Point	0.0 to 10.0° C	0.5° C	<input type="checkbox"/> Temperature Differential	1.0 to 10.0° C	0.5° C
	⑤	<input type="checkbox"/> Minimum Speed	12 to 100 %	2 %	<input type="checkbox"/> Motor	1 to 8	1
STAGE 3	⑥	<input type="checkbox"/> Relative Set Point	0.0 to 16.0° C	0.5° C	<input type="checkbox"/> Fixed differential to 2°F for Fan 3 and 4		
STAGE 4	⑦	<input type="checkbox"/> Relative Set Point	0.0 to 16.0° C	0.5° C	<input type="checkbox"/> % On fixed 12 min.	0 to 100%	5%
HEAT/FAN	⑧	<input type="checkbox"/> Relative Set Point	-5.0 to 16.0° C	0.5° C	<input type="checkbox"/> Temperature Differential	0.5 to 3.0° C	0.5° C
RAMPING	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 30% above minimum speed, at 10% above set point.

## ECS-5M

ECS5M1

### SPECIFICATIONS:

- Power Supply : 115 / 230V (-20% / + 10%) 50 / 60Hz
- Capacity: 2 variables 6 Amp. Nom. (10 Amp. Max.)  
3 relays 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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### DIP SWITCHES

FUNCTIONS		OFF	ON
1	TEMPERATURE	°F	°C
2	LOCK CONTROL VALUES	YES	NO
3	STAGE 5 MODE	heat.	vent.
4	ADDITIONAL PROBE		RH

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