

35801-MI

3 Channel PWM Fan Controller

3 Channel Fan control board supports most 12V 4 wire fans.

Stall alarm on Channel 1 & 2

Power: 12VDC

Current: 5A max /Channel, 9A total 3 fans

Channel 1: Auto control

Output range: 20 to 100%, or 40 to 100% Selectable

Temperature Set Switch Select:

35°C min 45°Cmax 40°Cmin 55°Cmax

50°Cmin 70°Cmax 60°Cmin 90°Cmax

When the temperature is below the set temperature, Output is at the minimum speed; when it exceeds the min. temperature setting the fan will accelerate until max. temperature is reached.

Above max. temp. Fan is at full speed.

Channels 2 & 3: Manual Set

Output Range: 10 to 100% Manual adj.

Note: Ranges are only relative; the actual control effect will vary depending on the fan.

Fan Stall detect on Outputs 1- 2 or both

Minimum stall warning speed: 700-800 rpm

Temperature sensor: 50 Kohm #3950 Sensor Error: <5%

Connections: Terminal Strip Power

3x4pin male header 0.1" pitch, Fans

2x2pin male header 0.1" pitch, Temp Sensor & Alarm Buzzer

L: 2" **W:** 1-11/16" **H:** 1/2" **WT:** .03

DIP Function Switch Description:

TFL (Position # 1): FAN #1 PWM range setting:

“ON” PWM minimum is 40%, when “OFF“ the minimum is 20%.

TP1 TP2 (Positions 2 & 3): Temperature control ranges set:

NOTE: Requires the Temperature Probe

| Switch | Switch | Begin | Full |
|--------|--------|--------------|-------|
| TP1 | TP2 | Acceleration | Speed |
| OFF | OFF | 35°C | 45°C |
| ON | OFF | 40°C | 55°C |
| OFF | ON | 50°C | 70°C |
| ON | ON | 60°C | 90°C |

BF1 BF2 (Positions 4 & 5): FAN1/FAN2 stall alarm function switch

If BF1 and BF2 both are “ON”, If either FAN1 or FAN2 or both stops, the Buzzer will sound!

| Switch | Switch | Buzzer | |
|--------|--------|----------|-------------------|
| BF1 | BF2 | | |
| OFF | OFF | No Alarm | |
| ON | OFF | ON | Stall Fan #1 |
| OFF | ON | ON | Stall Fan #2 |
| ON | ON | ON | Stall Either/Both |

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