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 fa

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.

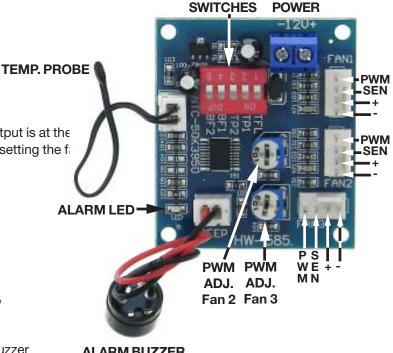
Fan Stall detect on Outputs 1-2 or both Minimum stall warning speed: 700-800 rpm

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



FUNCTION

ALARM BUZZER

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

110 121 Hodan oo ti lo Horataro i Tobo				
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

Information including Drawings, Schematics, Links and Code (Software) Supplied or Referenced in this Document is supplied by MPJA inc. as a service to our customers and accuracy or usefulness is not guaranteed nor is it an Endorsement of any particular part, supplier or manufacturer. Use of information and suitability for any application is at users own discretion and user assumes all risk.

> Information Subject to Change Without Notice All rights are retained by the respective Owners/Author(s)



MARLIN P. JONES & ASSOC., INC.

P.O. Box 530400 Lake Park, FI 33403 800-652-6733 FAX 561-844-8764 WWW MPJA COM