

# IMFFTD/2



## Fan Failure Module For 4 Fans with Temperature Measurement

- Compact & Standard DIN Rail Mounting.
- Two Optically Isolated Fan Monitor Unit.
- Adjustable Fan Overcurrent.
- LED Indication for FAN OK, FAN FAIL, FUSE FAIL & FAN TRIP SET.
- Potential free contact for Fan fault.
- Potential free contact for Temp Fault.
- 3-Wire RTD Interface.
- 2 Digit Temperature Display.
- Temperature set point operation.
- 4-20mA current output, 2Wire/ 3Wire(Internal Configurable)

### TECHNICAL DATA

Ambient Operating Temperature	-20 to +50 °C
Mounting Possibility	DIN 35/DIN 35-15 Rail
Housing Material	ABS V-0 Grade
Housing Colour	White With Red Front Facia
Rated Input voltage	230 V
Power Input	220 - 240VAC
Rated output voltage	230 V
Rated output Current/channel	260 mA
Load Protection Method	Overcurrent protection, Lower current Protection, Fuse Protection
Fuse Fail Indication	Yes
	1.0
	0 - 99
Fan Monitor Units	2
No. of Fans can be connected	4
Fan Rating	230VAC/0.13A
Fan Failure Alarm contact	2A@30VDC/ 1A@125VAC
Temperature Monitor Units	1
Over Temperature Alarm contact	Yes
PT100 interface	Yes
4-20mA output	Yes
Power On Indication	Yes

### CONNECTION SPECIFICATIONS

Type of Connection	Screw Connection -Pluggable Terminals
Min. Wire Size	0.5 mm <sup>2</sup>
Max. Wire Size	2.5 mm <sup>2</sup>
Min. Wire Size(AWG)	30 mm <sup>2</sup>
Max. Wire Size(AWG)	14 mm <sup>2</sup>
Wire Stripping Length	7.5 mm
Torque	0.5 Nm

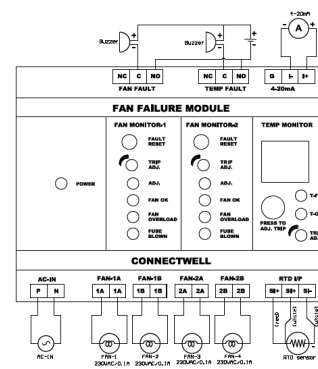
### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
IMFFTD/2	Fan Failure Module For 4 Fans(230VAC) with Temperature Monitor	2	101 X 106 X 101	1

### ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

### CIRCUIT DIAGRAM



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## Fan Rating

Fan-1A	230VAC/0.13A
Fan-1B	230VAC/0.13A
Fan-2A	230VAC/0.13A
Fan-2B	230VAC/0.13A

Contact Material	Silver Alloy + Gold clad
Rated Current	2A
	220VDC/250VAC

## NOTES

FAN Monitor unit triggers an alarm on below conditions.\*  
A Condition in which any one of four fan get disconnected.\*\*  
A Condition in which any one of the four fans get overloaded.\*\*  
A Condition in which all fan got disconnected.  
If short circuit happens at any of the connected fan (fuse blows first).

Temperature Monitor unit triggers an alarm on below condition  
A condition in which ambient temperature is above the users set temperature.

\*Fan monitor unit should be configured according to the number of fan connected.  
A warm up time of min. 40minute is required to get stable fan current. And modules trip level need to adjust again after the warm up time of fan.  
At cold start monitor allows the fan to run till monitoring system take action based on the fan conditions .

\*\*Line voltage should be stable with in +/-3V once the trip level is adjusted. Failing which, either module will generate false alarm detecting over current due to high voltage.Or module will not detect ov