

# CFTDPR4



Fan Monitor for 4 fans- With Temp Monitor and Power Redundancy with Fan redundancy.

- Compact & Standard DIN Rail Mounting.
- Individual Fans can be programmed.
- Autosensing/Manual Sensing saves calibration time.
- 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.
- Display for Temperature Display and programm
- 4-20mA current output, 2 Wire(Internal Configurable)
- Input Fuse protection.
- Power and Fan Redundancy.
- Universal Input Voltage design.(110 - 230VAC)
- Programmable AutoReset functionality.

### TECHNICAL DATA

Ambient Operating Temperature	0 to +50 °C
Mounting Possibility	DIN 35/DIN 35-15 Rail
Housing Material	PC
Housing Colour	Grey
Rated Input voltage	100-240 VAC
Power Input	9 VA*
Rated Current/Channel	750 mA
Fuse Fail Indication	Yes
	0
	0 - 99
Fan Monitor Units	4
Fan Rating	230VAC/110VAC**
Fan Failure Alarm contact	Yes
Over Temperature Alarm contact	Yes
PT100 interface	Yes
4-20mA output	Yes - (corrospounding to 0-99 Degree C temp.)

### CONNECTION SPECIFICATIONS

Type of Connection	Screw Connection
Min. Wire Size	0.5 mm <sup>2</sup>
Max. Wire Size	2.5 mm <sup>2</sup>
Min. Wire Size(AWG)	20 mm <sup>2</sup>
Max. Wire Size(AWG)	14 mm <sup>2</sup>
Screw Size	M3
Wire Stripping Length	7 mm
Approvals	

### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
CFTDPR4	Fan Failure Module For 4	4	72 x 90 x 58 (W)	1

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CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
	Fans with Temperature Monitor, Power Redundancy		X H X D) mm	

### 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
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50

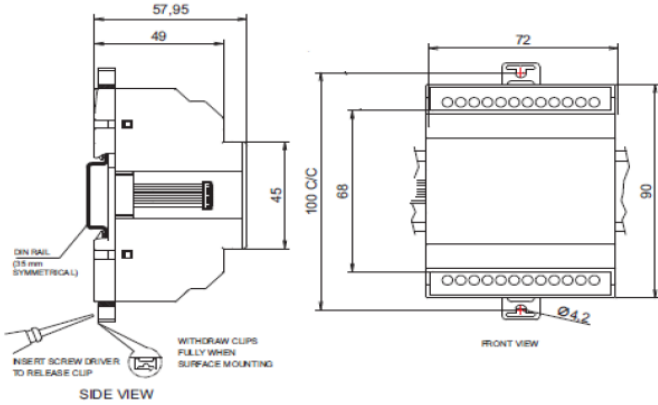
# CFTDPR4



## PRODUCT DRAWING

Rated Current 5A/250VAC 3A/30VDC

## Dimensions



## NOTES

\* 230VAC Fans can be connected if the Input voltage is 230VAC and 110VAC fans can be connected if input voltage is 110VAC.

### General technical Data

Nominal Input Power - 9VA  
 Degree of Protection - IP 20.  
 Input Freq - 50/60Hz  
 Refer Operating manual for Menu structure.  
 Pollution Degree - 2  
 Installation Category-II

### Safety-

Withstand Voltage - I/P-O/P , I/P%O/P TO DIN - 2KV  
 Fan Protection - Fuse(Internal)

### Standards -

Safety - IEC-61010-1  
 EMC - IEC-61326-1 \*\*\*\*, IEC-61000-4-2, IEC-61000-4-3 , IEC-61000-4-4, IEC-61000-4-5, IEC-61000-4-6, IEC-61000-4-8, IEC-61000-4-11, CISPR 11

### Indications

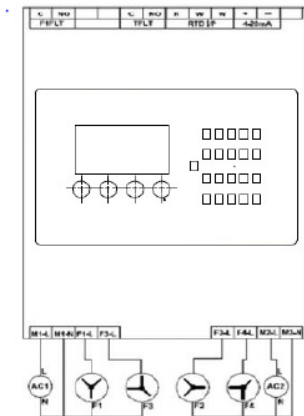
Fan Ok - Green  
 Fan Fail - Red  
 Over Temp - Red  
 Fuse Fail - Red  
 Isolation Resistance - I/P -O/P: more than 1000Mohms

Weight-250gm

### Note -

\* Module input consumption -0.1 A, rest is fan current consumption.  
 \*\* 230VAC Fans can be connected if the Input voltage is 230VAC and 110VAC fans can be connected if input voltage is 110VAC.  
 \*\*\* - Fan overload current should be within c

## CIRCUIT DIAGRAM



RTD

1 mtr

PT100

Operating Temperature Range 0 TO 99 Degree C.

### Fan Rating

Fan-1A	230VAC / 25-750mA, 110AC / 25-750mA***
Fan-1B	230VAC / 25-750mA, 110AC / 25-750mA***
Fan-2A	230VAC / 25-750mA, 110AC / 25-750mA***
Fan-2B	230VAC / 25-750mA, 110AC / 25-750mA***

Rated Current 5A/250VAC 3A/30VDC