

CFMD - FAN MONITORING & CONTROL DEVICE WITH TEMPERATURE

FEATURES

- Compact and standard DIN Mounting
- Individual fans can be programmed
- Autosensing/Manual Sensing saves calibration time.
- LED Indication for FAN OK, FAN FAIL, FUSE FAIL & amp; FAN TRIP SET
- Potential free contact for Fan/Temp Failure
- Display for Temperature Display and program
- 3-Wire RTD Interface
- 2 Wire 4-20mA current output
- Programmable Temperature range for 4-20mA transmitter
- Programmable Auto Reset functionality
- Universal Input Voltage design (110/230VAC)
- Fan Redundancy
- Shuffling of fan in Redundancy to avoid choking of non-operational fan for longer time
- Fan Enable and Disable function
- Input Fuse protection



CE RoHS

SPECIFICATIONS

Ordering Information

Cat. No.	CFTD2
Description	Fan Failure Module For 2 Fans with Temp Monitor

Supply Circuit

Rated Input Voltage	100-240VAC
Rated Current	25-750mA
Frequency	50/ 60Hz
Nominal Input Power	9VA

Indicator / Functions

Green Flashing (ALL LED)	Fan Calibration
Green F01, F02	Fan OK
Red F01, F02	Fan Fail
Red TMP	Over Temp
Red FF1, FF2	Fuse Fail
Fan Monitor Units	2
Fan Failure Alarm Contact	Yes
Over Temp Alarm Contact	Yes
Live Temperature Display	Yes
Fan Protection	Fuse

Temperature Sensor

Sensor Type	RTD sensor
Sensor Category	Pt100
Cable length	1m
Operating Temperature	0-99°C
Sensor Output	4-20mA

Mechanical / Environmental Specifications

Dimensions	72 x 90 x 58mm
Connection Type	Screw Terminals
Wire Size	20-14AWG (0.5-2.5mm ²)
Screw Size	M3
Wire Stripping Length	7mm
Protection Degree	IP20
Housing Material	V2
Pollution Degree	2
Safety Standard	IEC 61010-1
EMC Standard	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

Fan Rating

Fan 1	25-750mA @ 110/230VAC
Fan 2	25-750mA @ 110/230VAC

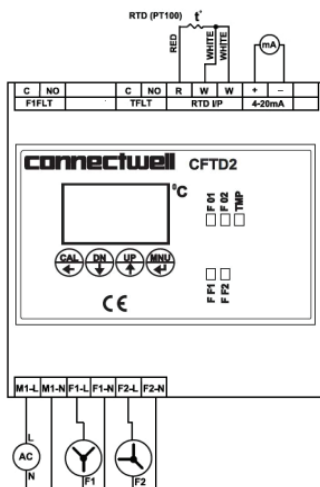
Fan Module Modes

Single Fan Mode 1	Fan 1 ON, Fan 2 OFF
Single Fan Mode 2	Fan 1 OFF, Fan 2 ON
Redundant Fan Mode (1)	Fan 1 ON, Fan 2 Redundant
Redundant Shuffle Fan Mode (2)	Fan 1, Fan 2 Cycle Periodically
Dual Fan Mode	Fan 1 ON, Fan 2 ON

Note: (1) In Redundant Fan Mode, Fan 1 runs and Fan 2 is disabled under normal condition. At the instant of Fan 1 in Fault state the F01 LED glows red and Fan 2 is enabled and operates until fault is cleared.

Note: (2) In shuffle mode of operation FAN 1 is enabled and Fan 2 is disabled (redundant) after 8 hours Fan 1 is redundant and Fan 2 starts operating. This cycles continues alternatively every 8 hours.

Electrical Connection Diagram



Mechanical Dimensions (mm)

