CV1.7 Converterunit

Quick Start Guide

The CV1.7 is a compact converter unit that converts several input to a 0-10V output for the WM1.84 I/O module.

The converted inputs can be connected to the analogue input of the WM1.84.

Features:

- Three phase voltage input to 250Vac
- Three phase voltage converted to 0-10V output
- LED status indication for three phase voltage input
- A 10 second delay on triggered alarm
- Two three-wire DS18S20 temperature inputs
- Two converted temperature to 0-10V outputs
- Two 4-20mA inputs
- Two converted 4-20mA to 0-10V outputs
- Not all inputs or outputs need to be used

Electrical specifications

Order Information	
Type	DK-Monitor CV1.7
Weight	115gr
Input / output Data	
three phase voltage	200..250Vac / 0..10V
temperature DS18B20	-10C..40C / 0..10V
current	4..20mA / 0..10V
General Data	
module powersupply	10-30VDC
module current	100mA DC@24VDC
operating / storage temperature	-20C..+50C / -20C..+70C
max relative humidity	80% non condensing
conductor cross section / striplength	0,2-2,5mm2 screwclamp connection
mounting / installation position	DIN-rail TS35 or direct mouting / any
modulesize LxWxH	72x95x60
insulating material / flammability class	Housing noryl. therminals: polyamid 6.6 V0 / UL94-V0
protection degree (DIN40050)	IP20

Led status
On power-up all the LEDs light for 0.5S to show they are working.
If the measured mains voltage on a channel is less than 48V the LED for that channel will be OFF.
If the measured mains voltage on a channel is greater than 48V and less than 200V the LED will flash slowly.
As soon as the measured mains voltage on a channel becomes greater than 200V then the LED will flash quickly for 10 seconds then become ON

Electrical connection

Electrical connection			
1	Phase 1 200..250Vac	10	Phase 1 out 0..10V
2	Phase 2 200..250Vac	11	Phase 2 out 0..10V
3	Phase 3 200..250Vac	12	Phase 3 out 0..10V
4	Temperature sensor 1 GND	13	Analogue output 1 0..10V
5	Temperature sensor 1 DQ	14	Analogue output 2 0..10V
6	Temperature sensor 1 V_{dd}	15	Temperature sensor 1 out 0..10V
7	Temperature sensor 2 GND	16	Temperature sensor 2 out 0..10V
8	Temperature sensor 2 DQ	17	Ground / Neutral
9	Temperature sensor 2 V_{dd}	18	Analogue input 1 4..20mA
		19	Analogue input 2 4..20mA
		20	0Vdc
		21	12Vdc