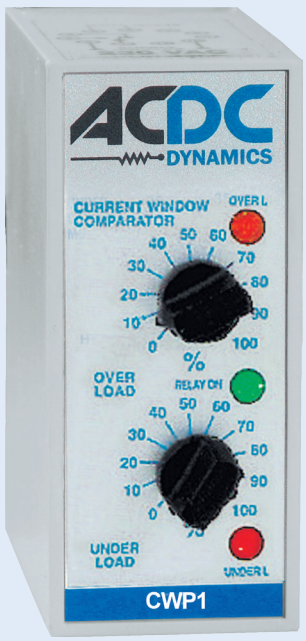
# OVER/UNDER CURRENT MONITOR 11-PIN PLUG-IN MODULES



**CWP1**




## OVERVIEW

This module will give you many years of service and is guaranteed for 12 months against faulty workmanship and materials. In addition a full repair service is available through ACDC Dynamics branch.

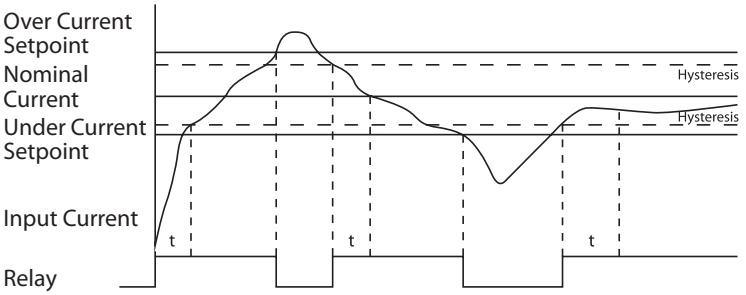
## INSTALLATION

This module should be installed by a competent electrician in accordance with the relevant diagram. Read these instructions carefully to ensure that the functions / settings / control voltage are correct prior to switch on.

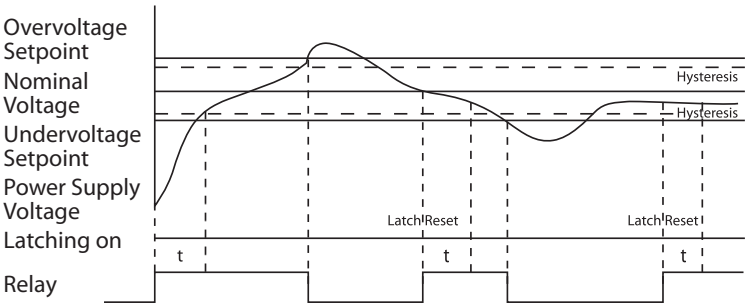
## OPERATION

On switch on the module will ignore the current for a start up delay of 10s (for circuit to stabilise). The relay will then energise (providing the current is between the adjustable over / under load set points. Thereafter if the current exceeds the adjustable set limits the relay will de-energise.
The relay will re-energise when the current passes through the preset adjustable hysteresis level. If latching is active the relay will remain de-energised until reset.
Link 8 & 9 active latching control
Input 5 & 7 0 - 1A
Input 6 & 7 0 - 5A

### Latching Inactive




### Latching Active



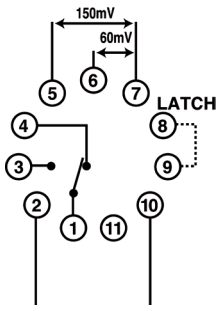

## FEATURES

- Fail safe operation
- Startup delay 10 seconds
- External latch (requires normally open switch 8 & 9)
- Green LED indicates relay energised
- Red LED Over load fault
- Red LED Under load fault
- Hysteresis (Trip recovery) fixed at 2% tripping level
- Over / Under load adjustable from 0 - 100%
- SPDT relay 10A / 250VAC
- For external potantiometer use 10kΩ

| Supply Voltages Available | |
|---|---|
| AC Supply | Galvanic isolation input transformer 12, 24, 48, 115, 230, 400, 525VAC ±15% |
| DC Supply | 12, 24, 48VDC |

| Specifications | |
|---|---|
| Ambient Temperature | -20˚C to 70˚C |
| Power Consumption AC | 1.5VA |
| Power Consumption DC | 100mA @ 12VDC |
| SPDT Relay | 10A / 250VAC |
| Isolation Test Voltage | 2kV |

## Connection Diagram




Supply Voltage

## BRANCH CONTACT DETAILS

| | |
|---|---|
| Johannesburg: | 010 202 3300 |
| Cape Town: | 021 510 0710 |
| Pinetown: | 031 700 4215 |
| Germiston: | 011 418 9600 |
| Riverhorse: | 031 492 4800 |

## NATIONAL CALL CENTRE

Sales 010 202 3400
Technical 010 202 3500

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