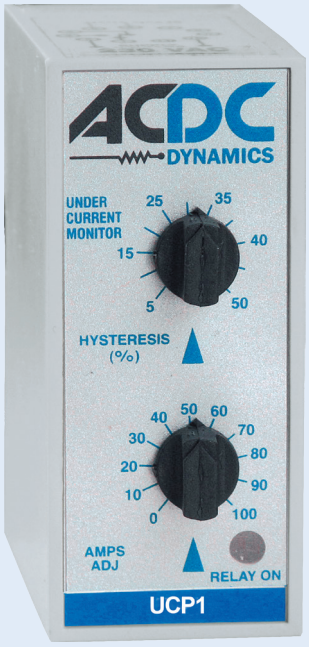
UNDER-CURRENT MONITOR

11-PIN PLUG-IN MODULES

UCP1, UCP1/D



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.

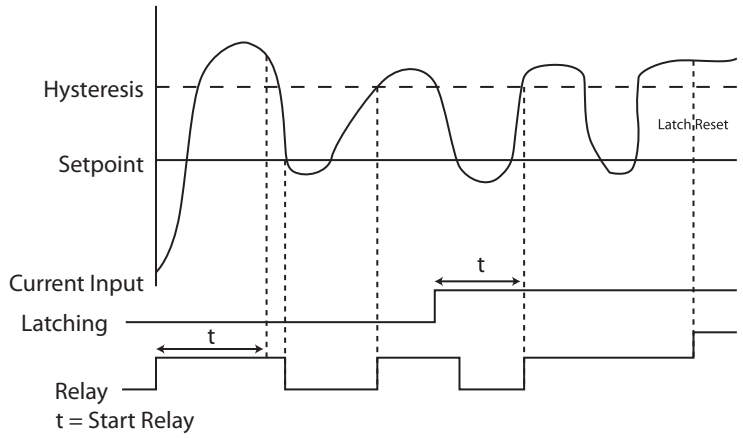
UCP1: 1A / 5A AC/DC
UCP1/D: 60mV / 150mV AC/DC

FEATURES

- Fail safe operation
- SPDT relay 10A / 250VAC
- Under current adjustable from 0 - 100%
- Hysteresis (Trip recovery) adjustable 0 - 50%
- Extensive supply voltage ranges
- **UCP1** Input 5 & 7: 0 - 1A AC/DC
- **UCP1** Input 6 & 7: 0 - 5A AC/DC
- **UCP1/D** Input 5 & 7: 0 - 150mV AC/DC
- **UCP1/D** Input 6 & 7: 0 - 60mV AC/DC
- External potentiometer 10kΩ
- Start up delay 10s
- Latching pins 8 & 9

OPERATION

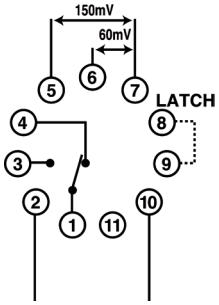
On switch on the module will ignore the current for a start up delay of 10s (allow circuit to stabilise). Then the relay will energise (providing the current set point has not been exceeded). Thereafter if the current exceeds the adjustable set limit the relay will de-energise. The relay will re-energise when the current falls below the preset adjustable hysteresis level. If latching is active the relay will remain de-energised until reset.



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

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

Connection Diagram



Supply Voltage

BRANCH CONTACT DETAILS

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Cape Town:	021 510 0710
Pinetown:	031 700 4215
Germiston:	011 418 9600
Riverhorse:	031 492 4800

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