

OVER/UNDER FREQ. MONITOR

II-PIN PLUG-IN MODULES



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.

FEATURES

- Fail safe operation
- Response delay 1 seconds connect 8 & 9
- Under frequency connect 5 & 6
- Over frequency connect 6 & 7
- Green LED indicates relay energised frequency good
- Red LED Over frequency fault
- Red LED Under frequency fault
- Hysteresis (Trip recovery) fixed at 2% tripping level
- Over frequency adjustable 52 - 58Hz
- Under frequency adjustable 48 - 42Hz
- SPDT relay 10A / 250VAC

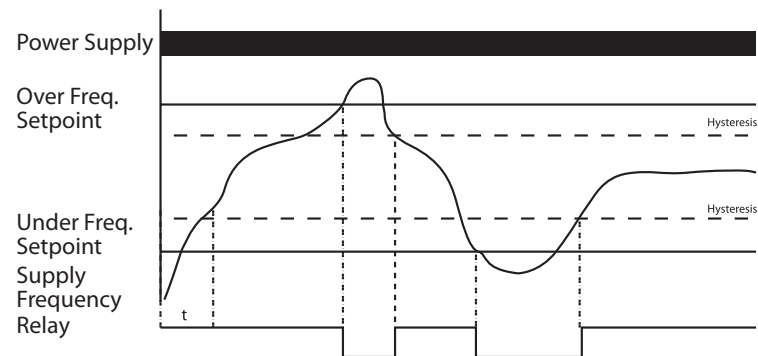
OPERATION

On switch on the module will ignore the frequency for a start up delay of 1s (for circuit to stabilise). The relay will then energise (providing the frequency is between the adjustable over / under frequency set points. Thereafter if the frequency rises above of sinks below the adjustable set limits the relay will de-energise. The relay will re-energise when the frequency passes through the preset adjustable hysteresis level.

Response delay 1 seconds connect 8 & 9

Under frequency connect 5 & 6

Over frequency connect 6 & 7



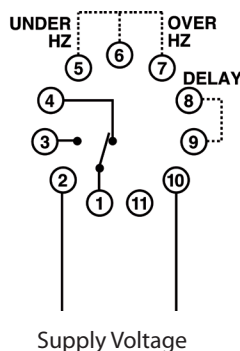
Specifications

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



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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