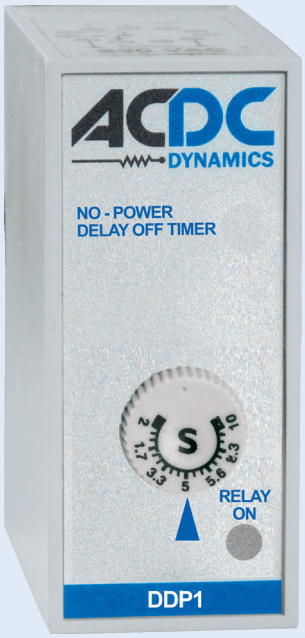
DELAY OFF TIMER 11-PIN PLUG-IN MODULES

ACDC DYNAMICS
www.acdc.co.za

DDP1 / DDP2 / DDP3



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.

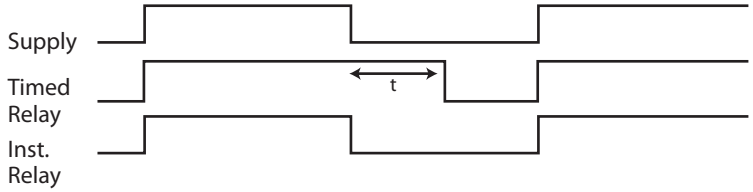
INSTALLATION

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

OPERATION

Upon application of the supply voltage the relays energises, the power and relay LED's are on. On loss of supply voltage the Inst contact de-energises and the timing period starts. On expiry of the timing period the timed relay de-energises and the relay LED is off. The unit remains in this state, when supply voltage is restored all relays will re-energise and the relay LED will be on. For time periods of 600sec and above there is a built in battery.

Interval Timer / One Shot



Time Ranges Available			
0.02 - 1sec	3 - 180sec	0.25 - 15min	0.08 - 5hrs
0.05 - 3 sec	6 - 360sec	0.05 - 30min	0.1 - 6hrs
0.2 -10sec	10 - 600sec	1 - 60min	0.13 - 8hrs
0.5 - 30sec	15 - 900sec	2 - 120min	0.26 - 16hrs
1 - 60sec		3 - 180min	0.4 - 24hrs

APPLICATION EXAMPLES

- Where a time delay period is required from loss of supply. (e.g.Time to generator start from loss of mains power)

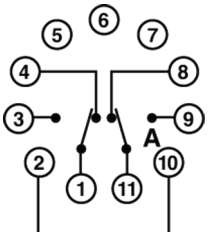
FEATURES

- DDP1 SPDT relay
- DDP2 DPDT relay
- DDP3 SPDT + INST relay
- Failsafe Operation
- Extensive supply voltage ranges
- Time adjustment on calibrated scale
- High repetitive accuracy
- External Timing Potentiometer possible (Pins 5 & 6)
- 8 pin available on special request
- For time periods of 600sec and above there is a built in battery.
- Ideally this unit should be powered for 24 hrs prior to first switching application
- 10A single pole relays (IP1 & IP3) / 5 Amp double pole relay (IP2)

Specifications	
Range Accuracy	±5%
Repeatability	1%
Scale Accuracy	±5%
Reset Time	350ms
Operating Temperature	-20˚C to 70˚C
Power Consumption AC	1.5VA
Power Consumption DC	100mA @ 12VDC
Contact Rating SPDT / Inst	10A / 250VAC
Contact Rating DPDT	5A /V 250VAC
For External Potentiometer Use	1MΩ

Supply Voltages Available	
Multi Voltage	No galvanic isolation 24 - 250VAC/DC (DDP1 & DDP2)
AC Supply	Galvanic isolation input transformer 12, 24, 48, 115, 230, 400, 525VAC ±15%
DC Supply	12, 24, 48VDC

Connection Diagram



Supply Voltage
A = Instantaneous Contact

BRANCH CONTACT DETAILS

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

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