

ADT131DITXP-V2 Cycle Timer Trip Amplifier with Display

- Supply voltage: 24Vdc (Other ranges available)
- Amelec standard 10 year guarantee
- Suitable for SIL1 and SIL2 rated safety Instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)

TECHNICAL SPECIFICATION

FUNCTION

An input contact closure into the timer will reset the timer to 1800 Seconds (30 minutes) and as long as that input remains, the timer shall not count. Opening of the contact input shall initiate the timer countdown (fail safe operation). The countdown run time can be shown in Seconds on the display.

INPUT

Volt free contacts
Open = Run
Close = Reset & Hold

OUTPUT

1 x SPCO contacts rated at 250VAC, 2A, 100VA resistive.

CONTROLS

Unit Calibration is Factory set as specified at time of orders.
(Bench Calibration potentiometers are available, but hidden behind unit front fascia)

INDICATOR

Power ON: LED, Amber.
Relay status: LED, Red. Normally De-Energised.
Display: 3.5 digit LCD, scaled in seconds (<1800).
(Optional front fascia pushbutton available to show the trip set point within the same range - TBA at time of order)

PERFORMANCE

Trip settability: better than $\pm 1\%$
Trip repeatability: better than $\pm 1\%$
Supply consumption: <80mA (<2Watts)
Response time: <25mS

PROTECTION

Isolation 1000V RMS. Contacts/Supply/Earth
Internal Fuse.
Failsafe Relay on loss of power

ENVIRONMENTAL CONDITION

Storage temperature: - 40 to +70 °C
Operating Ambient: -15 to +55 °C
Relative Humidity: 5 to 95% RH (Non-Condensing)
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

MOUNTING / DIMENSION

Enclosure: 50w x 75h x 146d (mm)
Cut out: 51w x 76h (mm)
Front panel bezel: 57w x 96h (mm)
Mounting: Panel
Weight < 300g

Note: Please ensure panel mounting brackets are fixed securely and safely. Use Loctite glue to fixing screws in applications subject to vibration.

IP Rating: Standard IP40 (optional IP65 Front cover available)

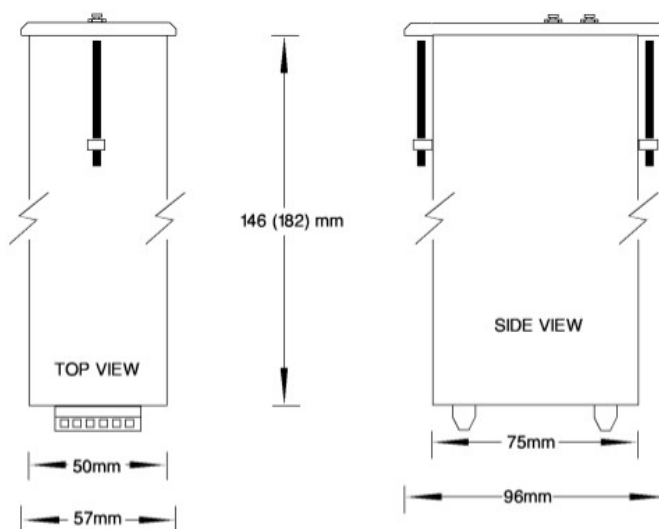
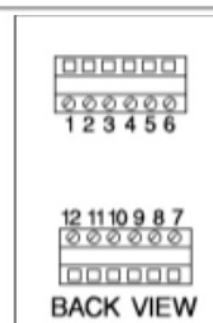
TERMINATION

Volt free contact	1
Volt free contact	2
	3
	4
	5
	6
RL1-NC	7
RL1-COM	8
RL1-NO	9
Earth	10
Supply +	11
Supply -	12

FRONT VIEW



FRONT VIEW



FUNCTION BLOCK DIAGRAM

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