

ADT131DITXP Cycle Timer Trip Amplifier with Hours Run Display

- Supply voltage: 24Vdc (Other ranges available)
- Amelec standard 10 year warranty
- Suitable for SIL1 and SIL2 rated safety loop applications (1oo1 architecture)

TECHNICAL SPECIFICATION

FUNCTION

The timer is to count up to 240 minutes and then the trip contracts are to open.

An input contact closure into the timer will reset the timer to zero and as long as that input remains the timer shall not count. Opening of the contact input shall initiate the timer count (fail safe operation)

INPUT

Volt free contacts
Open = Run
Close = Reset & Hold

OUTPUT

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

CONTROLS

Unit Calibration Factory set.
(Bench Calibration potentiometers are available but hidden behind unit front fascia)

INDICATOR

Power ON: LED, Amber.
Relay status: LED, Red. Normally Energised.
Display: 3.5 digit LCD.
Front facia pushbutton shows the trip set points in the range of 0 to 100% representing 0 to 5 Hours.

PERFORMANCE

Trip settability: better than $\pm 1\%$
Trip repeatability: better than $\pm 1\%$
Supply consumption: <2VA

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

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

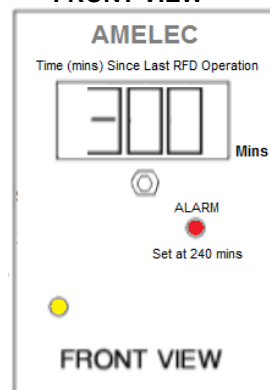
Note: Please ensure panel mounting brackets are fixed securely and safely. Use Loctite glue to fixing screws in applications subject to vibration.

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

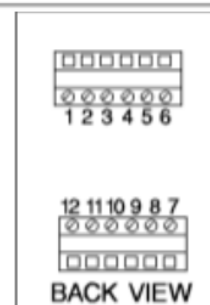
TERMINATION

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

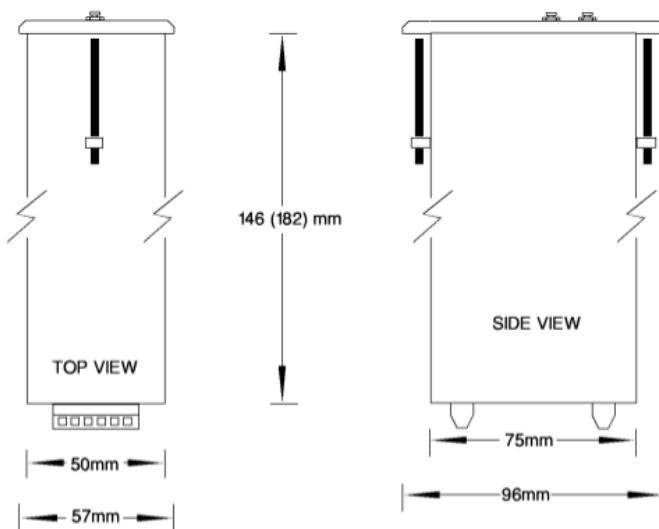
FRONT VIEW



FRONT VIEW



BACK VIEW



FUNCTION BLOCK DIAGRAM

