

ADT131DITXP (20T18258/1-2) Cycle Timer Trip with Display

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

TECHNICAL SPECIFICATION

FUNCTION

The timer can count Up to 1500 Seconds (25 mins), with the trip N.O contacts set to open at 1200 Secs.

An input volt-free contact closure into the timer initiates the timing event, whilst Reset input contact is also closed. Relay remains Energised/N.O output contacts Closed, as long as the remote reset contact remains made. If 1200 Secs time elapses then the output relay De-energises/No. contacts Open. Opening the remote reset input contact at any time will immediately Reset the relay &/or timer. The relay will naturally De-energise on loss of power supply.

INPUT

Volt free contacts
Input 1 Close = Run,
Input 2 Open = Reset & Hold

OUTPUT

DPCO relay contacts as std, rated at 250VAC, 2A,100VA resistive.

CONTROLS

Unit Calibration is Factory set, as specified at time of orders.
(Calibration pots & Set Point Read button available on front fascia)

INDICATOR

Power **ON**: LED, Amber.
Relay status: LED, Red. **ON** Energised.
Display: 3.5 digit **LCD**, scaled in seconds (≤ 1500) run.

PERFORMANCE

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

PROTECTION

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

ENVIRONMENTAL CONDITION

Storage temperature: -40 to $+70^\circ\text{C}$
Operating Ambient: -15 to $+55^\circ\text{C}$
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: Front of Panel
Weight $< 300\text{g}$

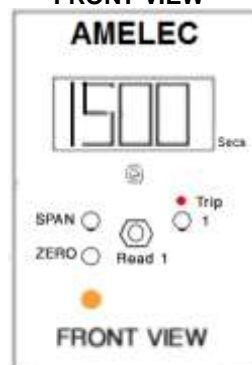
Note: Please ensure panel mounting brackets are fixed securely and safely. Use Loctite glue to fixing screws in applications subject to vibration.

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

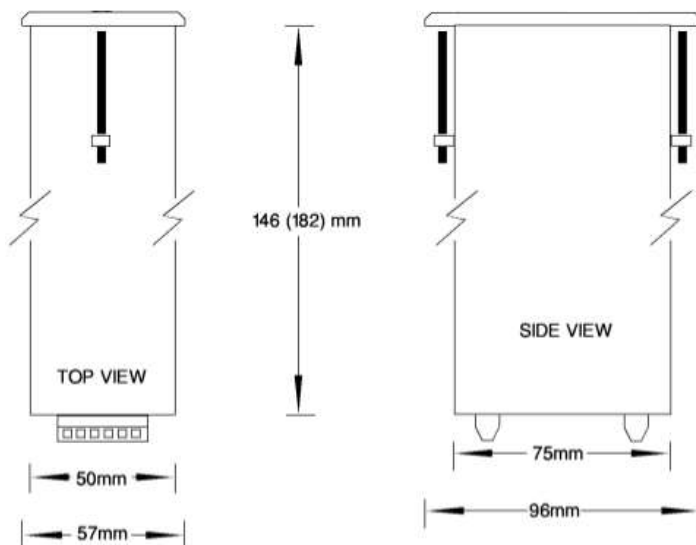
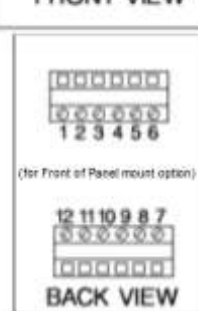
TERMINATION

Volt free contact	1
Volt free contact/ Com	2
Remote Reset	3
RL1a-NC	4
RL1a-COM	5
RL1a-NO	6
RL1b-NC	7
RL1b-COM	8
RL1b-NO	9
Earth	10
Supply +	11
Supply -	12

FRONT VIEW



FRONT VIEW



FUNCTION BLOCK DIAGRAM

