

ADT131DITXP-(20T5313) Cycle Timer Trip with Count Down Display

- Supply voltage: 24Vdc $\pm 10\%$ std (Other 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)
- Non-Smart / Non-uProcessor based instrument (Type A)

TECHNICAL SPECIFICATION

FUNCTION

The timer can be specified to count down any from 300 minutes (5 hours) and then the relay Energise/ N.O trip contacts will close.

The input contact opening in this application will reset the timer to 30 minutes and as long as the input remains open, the timer will not begin to count down. Closing of the input contact will initiate the count Down timer. The run time to be shown counting down in Minutes on the display for this application.

INPUT

Volt free contacts
Open = Reset & Hold
Close = Run

OUTPUT Relay

1 x SPCO contacts as std, rated at 250VAC, 2A, 100VA resistive.
Normally De-energised, Energise when count down Time Elapsed.

CONTROLS

Unit Calibration is Factory set as quoted/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. **ON** Energised.

Display: 3.5 digit LCD, scaled in Minutes run/counting Down.
(Optional front fascia pushbutton available to show the trip set point within the same range - TBA at time of enquiry if required)

PERFORMANCE

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

PROTECTION

Isolation 1000V RMS Contacts/Supply/Earth
Internal Fuse.
Failsafe Relay De-energises 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: Front of Panel
Weight < 300g

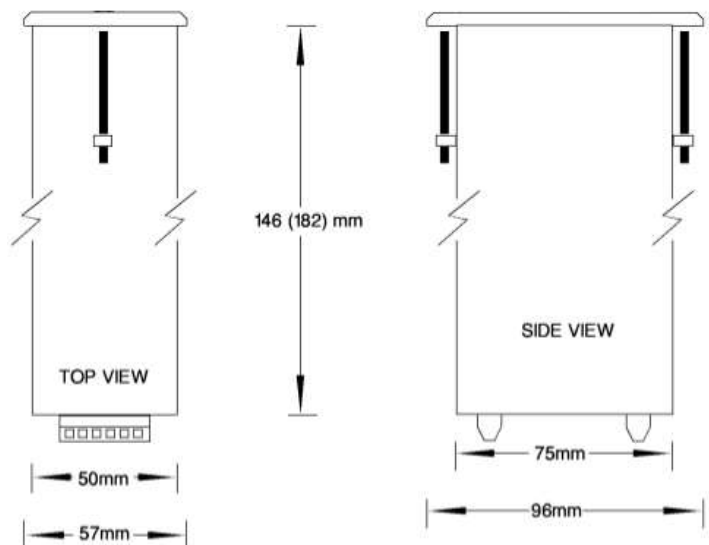
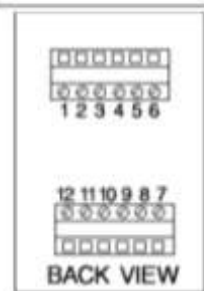
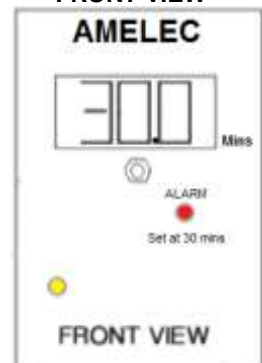
Note: Please ensure panel mounting brackets are fixed securely and safely. Use Loctite glue to fixing screws in applications subject to vibration.

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



FUNCTION BLOCK DIAGRAM

