

ADT131DITXP(K) – 17T3211 - Cycle Timer Trip Amplifier with Hours Run Display

- Supply voltage: 24Vdc $\pm 10\%$
- Amelec standard 10 year warranty
- Option 'K': RFI protection to IEC61000-4-3:2006/A2:2010
- Suitable for SIL1 and SIL2 rated safety loop applications (1001 architecture, HFT:0)

TECHNICAL SPECIFICATION

FUNCTION

The timer is to count up to 180 minutes and then the normally De-energised trip relay output/Open contacts will Energise/ Close.

An Open input Contact into the timer will reset the timer to zero and as long as that input remains open the timer shall not count. Closing of the input contact shall initiate the timer count operation.

INPUT

Volt free contact
Open = Reset timer / De-energise output relay
Close = Run cycle

OUTPUT

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

CONTROLS

Unit Calibration Factory set as std.
Up to 300 mins Run cycle Time Calibration potentiometer available through the front fascia, but hidden behind black Blanking 'bung'.

INDICATOR

Power ON: LED, Amber.
Relay status: LED, Red, Energised.

Display: LCD.

Front fascia Read pushbutton shows the trip time delay set point within the range of 0 to 300 Minutes (i.e; up to 5 Hours delay).

PERFORMANCE

Trip settability: better than $\pm 1\%$
Trip repeatability: better than $\pm 1\%$
Supply consumption: <3VA

PROTECTION

Isolation: 1000V RMS* Contacts/Supply/Earth
*(500Vdc when 'K' option specified)
Internal Fuse.

ENVIRONMENTAL CONDITION

Storage temperature: - 40 to +70 °C
Operating Ambient: -15 to +55 °C
Relative Humidity: 5 to 95% RH

MOUNTING / DIMENSION

Mounting: Front of Panel
Enclosure: 50w x 75h x 146d mm ('K' option = 182d mm)
Cut out: 51w x 76h mm
Front panel bezel: 57w x 96h mm
Weight < 300g

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

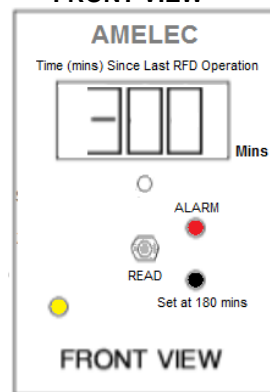
(Din Rail & Surface mounting options are also available on request)

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

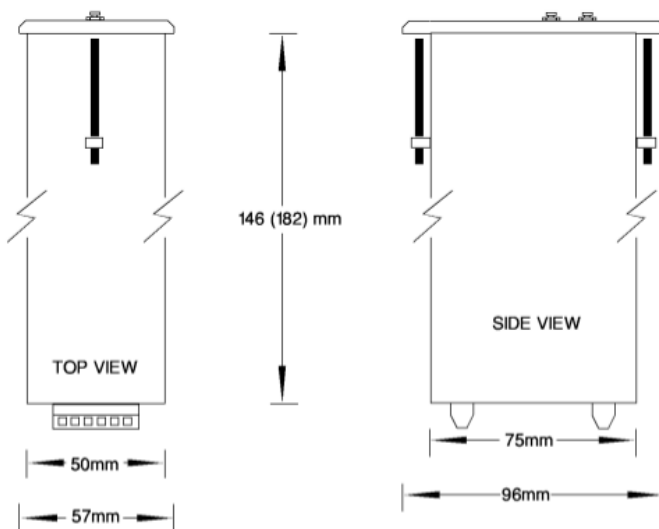
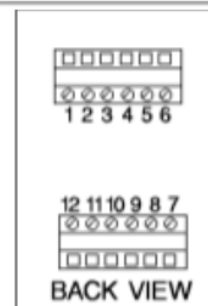
TERMINATION

Volt free contact	1
Volt free contact	2
	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

