

ADT131TX Contact Repeater Module with Time Delay (Ref: 16T1879-A , Amec Foster Wheeler)

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage: 24Vdc $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010 option available
- AMELEC Standard 10 year warranty

Technical Specifications

Function

Closure of the input contact initiates the timer count, the output relay contacts remain open.

The timer is to count up to the time period set and then the output relay Energises/contacts Close. The Red LED illuminates and the unit waits for the input contact to re-open to Reset the timer period, De-energise/open the output relay contacts again & Extinguish the red LED.

(If the input contact opens again any time within the time period set, the output relay contacts remain open, the Red LED remains Extinguished & the unit waits for the next input timer initiation contact closure)

Input

24Vdc applied contact

Output

The output relay has a set of D.P.C.O contacts, rated at 250VAC, 2A, 100VA (resistive)

Controls & Time Delay

Unit Calibration is Factory set.

Timing period of up to 90 seconds available.

Bench Calibration potentiometers are available, but hidden behind the front fascia

Isolation

1000V RMS Input/Output relay Contacts/Supply/Earth

Indicator

Power ON: Amber LED.

Contact status: Red LED. ON when timer period elapsed/ Output relay Energised/ Contacts Closed.

Performance

Trip repeatability: $\pm 1\%$
Response time: $< 200\text{ms}$

Environmental Conditions

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

Dimensions/Mounting

50w x 75h x 145d mm
Din Rail (TS35)

WIRING

