

ADT131KTX Contact Repeater Module with Time Delay (Serial no. 15-10503 Sellafield)

- Suitable for SIL 1, 2 or 3 rated (IEC61508) safety system applications
- Supply voltages: 48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 ($<10V/m$)
- AMELEC Standard 10 year warranty

Technical Specifications

Function

Closure of the input contact initiates the timer count, the output relay contacts Close & the Red LED status indicator illuminates.

The timer is to count up to the time period set and then the output relay de-energises/contacts Open again. The Red LED Extinguishes and the unit waits for the next input contact closure to initiate the next timer count period.

(If the input contact opens again any time within the 220 seconds time period set, the unit immediately resets, i.e output contacts open, the Red LED Extinguishes & the unit waits for the next input count initiation contact closure)

Input

48Vdc 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 300 seconds available.

Bench Calibration potentiometers are available, but hidden behind front fascia

Isolation

500Vdc Input/Output/Supply/Earth

Indicator

Power ON: LED, Amber.

Contact status: Red LED ON during timing periods, i.e; when input + output contacts are closed.

Performance

Trip repeatability: $\pm 1\%$
Response time: $<200mS$

Environmental Conditions

Storage Temperature: -40 to $70^{\circ}C$
Operating Ambient: -15 to $55^{\circ}C$
Relative Humidity: 5 – 95% RH

Dimensions

50w x 75h x 182d (mm)

WIRING

