

# PTDR-A15-A6-4 Technical Data

## Description:

PTDR Series is a factory programmed module with 1 of 11 functions. The SPDT output relay contacts offer 10A complete isolation. PTDR-A15-A6-4 is an adjustable, delay on make, single shot timer delay relay. It has optional visual timer delay state indicator LED\*.



\* Patent pending

## Time delay:

1. Type: Microcontroller circuitry
2. Range: First delay:5-15 minutes; Second delay:1-6 minutes
3. Repeat Accuracy: +/- 0.5%
4. Tolerance: +/- 2%

## Input:

1. Voltage: 110VAC to 230VAC (Tolerance -20% - +10%)
2. Frequency: 50-60 HZ (Tolerance -5% - +5%)
3. Power Consumption: <2VA

## Output:

1. Type: Isolated relay contracts
2. Form: SPDT
3. Rating (at 40°C): 10A resistance at 125V
4. Max switching Voltage: 250V AC
5. Life Operations: Mechanical:  $1 \times 10^7$ ; Electrical:  $1 \times 10^5$

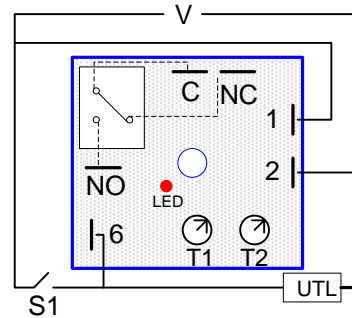
## Mechanical:

1. Mounting: Surface mount with one #10 screw
2. Package: 2x2x1.3 inch (50.5x50.8x31mm)
3. Connector type: 0.25 inch (6.35mm) Quick Connect

## Protection:

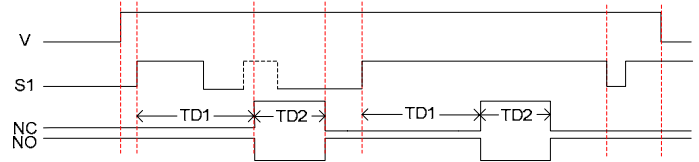
1. Circuitry: Encapsulated
2. Isolation voltage: >1500V RMS input to output
3. Insulation: >100M Ohm
4. Max switching Voltage: 250V AC
5. Life Operations: Mechanical:  $1 \times 10^7$ ; Electrical:  $1 \times 10^5$

## Connection:



V = Input Voltage C = Common NC = Normally Opened NO = Normally Closed  
S1 = Initial Switch UTL = Untimed load  
LED = State indicator (option)

## Function Diagrams:



## Environmental:

1. Operating temperature: -30°C to +60°C
2. Storage temperature: -40°C to +85°C
3. Humidity: 95% relative, non-condensing
4. Weight: <65g

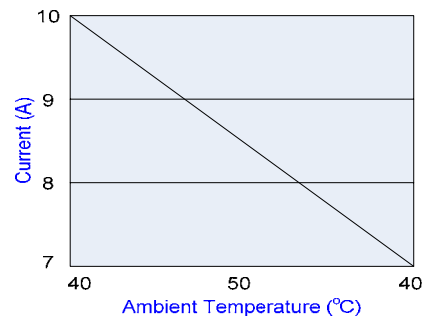
## Approval:

1. UL and CSA: E301169
2. CE

## Timer Delay State Indicator (Optional):

1. TD1 Delay: LED on
2. TD2 Delay: LED off
3. Not TD1 and TD2, if S1 open, LED flashing at 1Hz; if S1 closed, LED flashing at 0.5Hz

## Output Current/Ambient Temperature



**MaxTronic Technologies LLC**