

Features

- Ten year factory warranty
- Plug in measuring module
- Double insulated high impact polystyrol case
- Termination socket included for surface mounting enabling front or rear connection with optional DIN rail mounting
- Proven circuit designs based on over 15 years of field service in hundreds of varied & demanding applications
- Easy to set calibration scales
- Tolerance to shock & vibration for generator, compressor & mobile applications

Technical Data

AUXILIARY SUPPLY ORDER CODES

| | |
|-------------|---------------|
| A 12V DC | J 24V AC |
| B 24V DC | K 48V AC |
| C 32V DC | L 110/115V AC |
| D 48/50V DC | M 240V AC |
| E 110VDC | |
| F 125V DC | |

POWER CONSUMPTION

5VA AC Maximum

SUPPLY TOLERANCE

| | |
|----|-------------------------|
| AC | -20% to +10% of nominal |
| DC | -25% to +15% of nominal |

TIME RANGE ORDER CODES

| | | | |
|----------|---------|----------|---------|
| 2T749-#1 | 0.15-3s | 2T749-#2 | 0.5-10s |
| 2T749-#3 | 1.5-30s | 2T749-#4 | 3-60s |
| 2T749-#5 | 0.15-3m | 2T749-#6 | 0.5-10m |
| 2T749-#7 | 1.5-30m | 2T749-#8 | 3-60m |

TIMING FUNCTION

Delayed operate or pulsed output

RESET TIME

40ms

TIMING ACCURACY (REPEATABILITY)

+/-5% of full scale

OUTPUT CONTACTS

2 C/O with 1KV isolation across contacts

SWITCHING CAPACITY

5 Amp 250V AC resistive
5 Amp 30V DC resistive

OPERATING TEMPERATURE RANGE

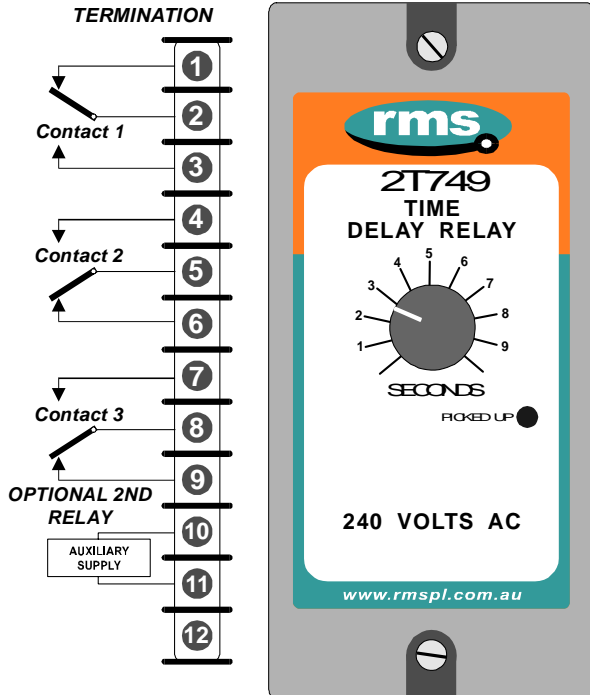
-5 to 55 degrees C.

INSULATION WITHSTAND

In accordance with IEC 255-5: 2KV RMS between input & frame, output & frame, & output & input. 1.2/50 5KV impulse between each terminal & earth, between circuits not normally connected together & between terminals of the same circuit.

NOISE IMMUNITY

Withstands the high frequency interference test detailed in IEC 255-22-1.



Description

Made in Australia

The 2T749 Series relays are solid state general purpose time delay relays with electromechanical output contacts. Designed for application wherever a time delay is required with high accuracy, reliable and maintenance free operation.

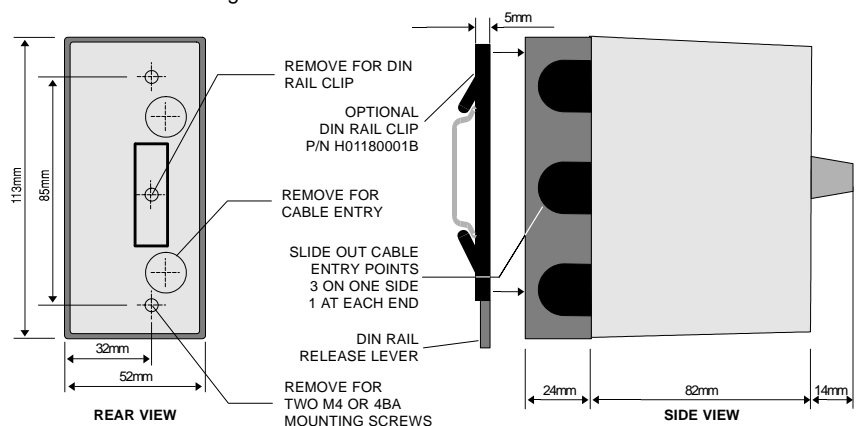
The 700 Series range of electronic measuring relays are manufactured as a modular approach to electrical system protection & control. Designed to meet rigid Australian & international specifications the 700 Series provide a flexible, cost effective & extremely reliable solution for a multitude of applications under electrically hostile conditions.

Application

The timing circuit employs a variable frequency oscillator with a binary counter. The preset time will commence timing on application of power to the auxiliary supply input. The output relay operates once the preset time has elapsed (delay operate) and a visual indication given by a red LED on the front panel.

The output relay will reset when the input voltage drops out for a period greater than 40 milliseconds.

Power failures of less than 20 milliseconds duration will not affect the operation of the 2T749 which will continue timing out.



Australian Content

Unless otherwise stated the product(s) quoted are manufactured by RMS at our production facility in Melbourne Australia. Approximately 60% of our sales volume is derived from equipment manufactured in house with a local content close to 90%. Imported components such as semi-conductors are sourced from local suppliers & preference is given for reasonable stock holding to support our build requirements.

Quality Assurance

RMS holds NCSI (NATA Certification Services International), registration number 6869 for the certification of a quality assurance system to AS/NZS ISO9001-2000. Quality plans for all products involve 100% inspection and testing carried out before despatch. Further details on specific test plans, quality policy & procedures may be found in section A4 of the RMS product catalogue.

Product Packaging

Protection relays are supplied in secure individual packing cardboard boxes with moulded styrene inserts suitable for recycling. Each product & packing box is labeled with the product part number, customer name & order details.

Design References

The products & components produced by RMS are based on many years of field experience since Relays Pty Ltd was formed in 1955. A large population of equipment is in service throughout Australia, New Zealand, South Africa & South East Asia attesting to this fact. Specific product & customer reference sites may be provided on application.

Product Warranty

All utility grade protection & auxiliary relay products, unless otherwise stated, are warranted for a period of 24 months from shipment for materials & labour on a return to factory basis. Repair of products damaged through poor application or circumstances outside the product ratings will be carried out at the customer's expense.

Standard Conditions of Sale

Unless otherwise agreed RMS Standard Terms & Conditions (QF 907) shall apply to all sales. These are available on request or from our web site.



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