

## 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 #

B 24V DC	J 24V AC
D 48/50V DC	L 110V AC
E 110V DC	M 240V AC

### POWER CONSUMPTION

3.2VA AC Maximum

### SUPPLY TOLERANCE

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

### TIME RANGE ORDER CODES

2T751-#1	0.15-3s
2T751-#2	0.5-10s
2T751-#3	3-60s
2T751-#4	0.15-3m
2T751-#5	0.5-10m

### TIMING FUNCTION

Delayed release (True delay OFF)

### RESET TIME

3s minimum

### TIMING ACCURACY (REPEATABILITY)

+/-2% of full scale

### OUTPUT CONTACTS

2 C/O with 1KV isolation across contacts

### SWITCHING CAPACITY

10 Amp 240V AC resistive  
10 Amp 30V DC resistive

### OPERATING TEMPERATURE RANGE

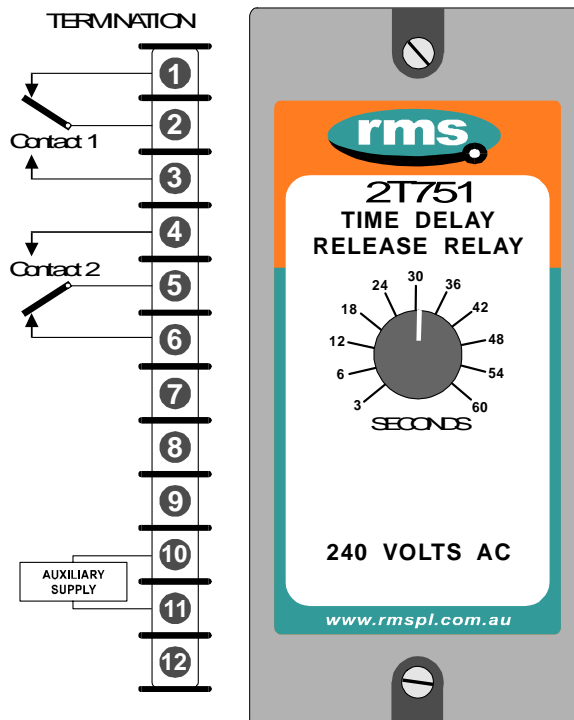
-5 to 55 degrees C.

### 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

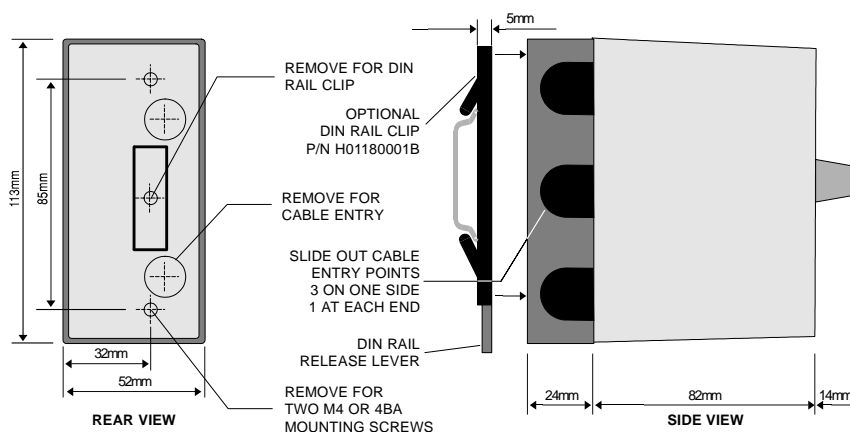
The 2T751 Series relays are solid state no power relays with electromechanical output contacts. The 2T751 is specially designed for applications wherever a time delayed relay contact is required to changeover after the removal of the auxiliary supply.

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 giving high reliability. When initially powered up the 2T751 stores enough charge to enable the timing oscillator to continue operating after the removal of power and to "pulse" the magnetic latching output relay at the completion of the time out period.

The delay on removal of power (Delay off), can be adjusted by an external control on the front panel. The output relay will reset when the input voltage is re-applied for a period greater than 3.0 seconds.



## **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.



## **Relay Monitoring Systems Pty Ltd**

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Due to RMS continuous product improvement policy this information is subject to change without notice.