

## 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
- Range of auxiliary supplies

## Technical Data

### FLASHING RATE

Adjustable from 150ms to 3s

### AUXILIARY SUPPLY

Order code	Vx nominal
1F701-A	12V DC
1F701-B	24V DC
1F701-C	48/50V DC
1F701-D	110V DC
1F701-E	125V DC
1F701-J	24V AC
1F701-K	48V AC
1F701-L	110V AC
1F701-M	240V AC

### SUPPLY TOLERANCE

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

### POWER CONSUMPTION

3.2VA AC maximum

### 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

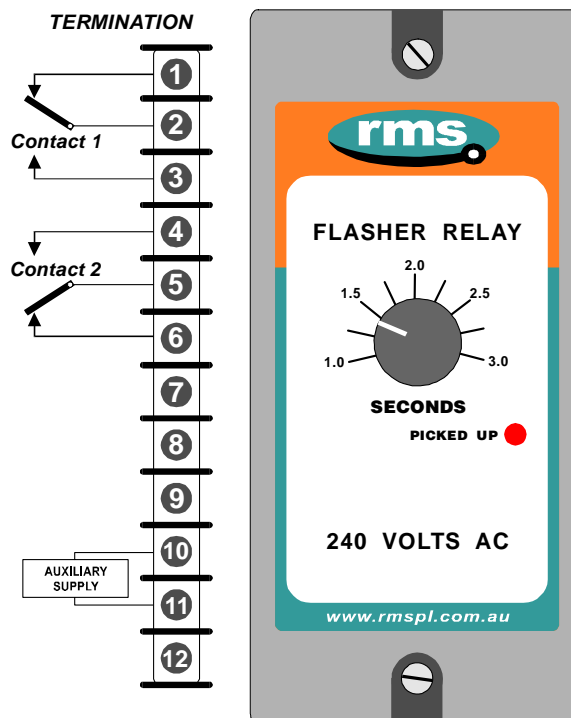
-5 to 55 degrees C.

### 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

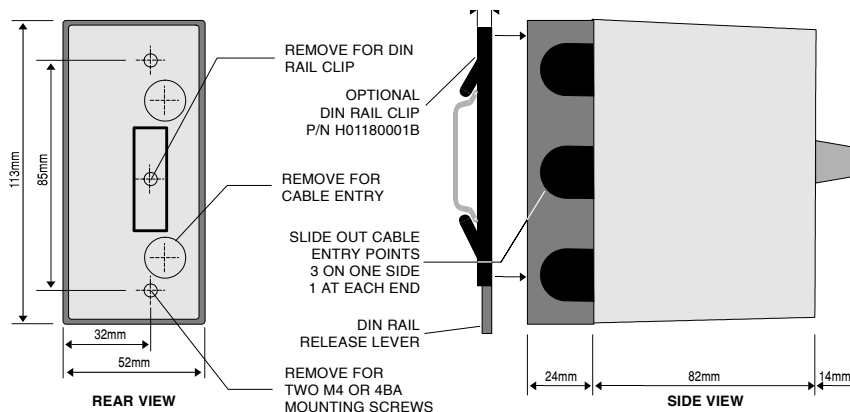
Made in Australia

The 1F701 Series relays are solid state general purpose flasher relays with electro-mechanical output contacts. Designed for applications wherever a simple continuous cycling time delay is required where the ON and OFF periods are identical.

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. 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 and will then recommence a second and subsequent timing periods. The output relay will continue to changeover at the completion of each timing sequence. Output contact status is indicated by a red LED on the front panel.



## **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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