Department of consumer and corporate affairs / Ministère de la consommation et des corporations

STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL
AVIS D'APPROBATION

E-55

OTTAWA October 16, 1973

STATREL TYPE "M-2" INTERVAL TRIPPING RELAY

Input	SPST dry contacts
Min. Closure Time	8 seconds
Load on Transmitting Contacts	12 volts 4 milliamperes DC
Output Relay	Potter & Brumfield KHS17D11
Output ①	4-pole double throw Form C dry contact
Capacity of Output Contacts	3 amperes at 30 volts DC or 120 volts 60 HZ
Life Expectancy	100000 operations, 3 years at 1 operation each 15 minutes
For use with	Canadian Westinghouse Types WR-2C and WR-4C Demand Recorders
To operate Demand Reset on②	Landis & Gyr meters equipped with "m" maximum demand indicators, e.g. Trivectors, 15 minute demand interval only
Power Supply	120 volts 60 HZ

① The relay has 4 sets of SPDT contacts but only 2 sets are connected to the terminals.
One set is to be used exclusively to reset Landis & Gyr "m" maximum demand indicators such as those used on Trivectors.
The other set may be used, e.g., to transmit a synchronizinc signal to a computer.

② Landis & Gyr maximum demand indicators, identified as "m" in the type designation have received approval for other time intervals, but this approval covers the use of this relay with those marked 15 minutes only which require a nominal contact opening duration of 6 seconds.

Note 1. Maximum demand indicators "m" and "mye" with synchronous timing motor, are approved for use on a number of Landis & Gyr meters including Trivectors.

Note 2. All type "M-2" interval tripping relays require verification of the time the contacts remain open after the application of the timing pulse. This may be done quite simply by applying 120 volts 60 HZ to the marked terminals and shorting the terminals marked "start contact" with a wire. By using an ohmmeter to the normally closed terminals, the duration of the contact opening can be determined with a stop watch. *It is suggested that 2 minutes be allowed to lapse between tests to allow the interval capacitors to charge.

* Limits are 5.4 and 9 seconds

Note 3. Interval timing of Trivectors or other approved Landis & Gyr meters equipped with "m" maximum demand indicators when the normal timing function of the "ye" synchronous motor has been taken over by the WR-2C or WR-4C recorder and M-2 interval tripping relay, will be taken care of when verifying the WR-2C or WR-4C recorders.

The screws holding the two parts of the case together are cross-drilled for a utility sealing wire.

The contacts that are covered by this approval are indicated by a diagonal line through the contact symbol showing that these terminals are connected to the normally closed contacts.

It is recommended that the M-2 tripping relay be mounted adjacent to the Landis & Gyr equipment it controls, * and that the connecting wires between the WR-2C or WR-4C recorders be kept as short as possible or shielded if they pass through an electrically noisy location.

* max. connecting resistance 100 ohms.

Approval granted to:

Statrel Limited,
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