DEPARTMENT OF TRADE AND COMMERCE

STANDARDS BRANCH

E-5

OTTAWA May 7, 1965.

NOTICE OF APPROVAL

FOR

FERRANTI TYPE "C1" IMPULSE MAXIMUM DEMAND INDICATOR

Apparatus

Ratings:

Type of Input	1. Centre-tapped coil, the outer ends of which have to be energized alternately: or by special order -
	2. Two-terminal coil, requiring a reversible D.C. supply, each reversal representing one impulse.
Impulse coil ratings	15 V.D.C., 32 V.D.C., 50 V.D.C. each ± 15%
Maximum impulse rate	10 per second, maximum 3600 per demand period. (full scale)
Maximum demand indicator reset supply	32 V., 50 V.D.C., 110 V., or 230 V.A.C. each ± 15% close or open circuit to reset.
Internal power pack (when fitted)	110V or 230V ± 10% 60 cycles. Output suitable for impulsing circuit.
Internal time switch (where fitted)	Synchronous motor 110 or 230V. 60 cycles Contacts "open to reset" 230V 5A rating
Demand period	10, 15, 20, 30 or 60 minutes
Register	5, 5 or 6 circle clock type, or 6 digit cyclometer.

Description

The type C1 maximum demand indicator receives incoming pulses which are applied to an impulse-driven stepping motor. This motor through gearing drives simultaneously a register and a pusher mechanism driving the maximum demand printer. At the end of a demand period a solenoid disengages the gearing and a spiral spring returns the driving pusher to zero.

The reset mechanism can be arranged for either "close circuit to reset", or "open circuit to reset", and can be operated either by an approved external time switch or an internal synchronous motor.

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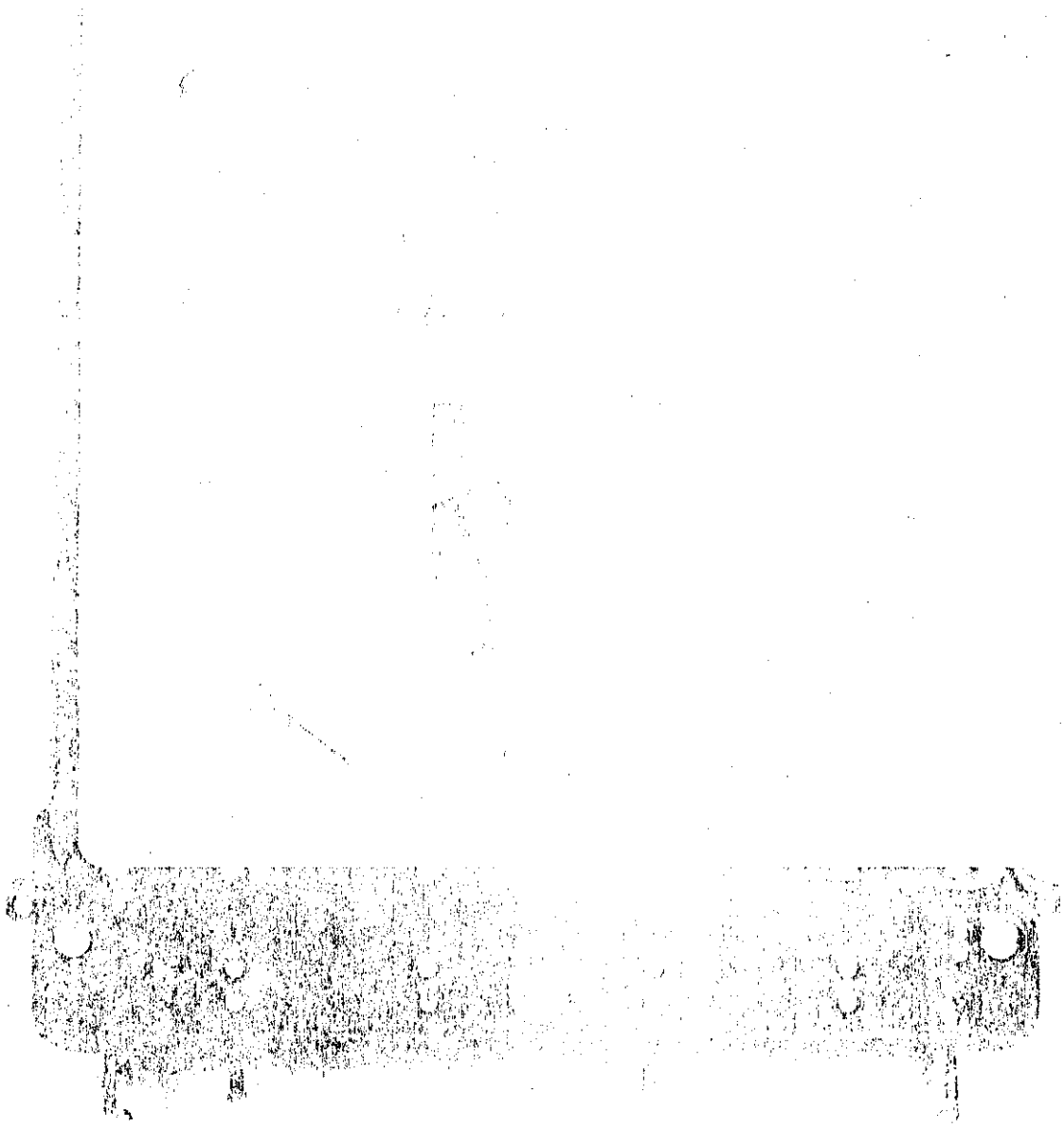

Description (Con'd.)

The value of each pulse will be marked on the nameplate.

This maximum demand indicator is approved in switchboard mounting with bottom front terminals.

In the case where the readout is in large units such as megawatts, it is permissible for the register to have the value of one division marked below each circle.

Approval is granted to: Ferranti-Packard Electric Limited,
St. Catharines, Ontario.

W.J.S. Fraser,
Chief, Standards Laboratory,
Standards Branch.

K. Cryer,
Chief, Electricity & Gas Division,
Standards Branch.

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