



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



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

G-48

OTTAWA April 9, 1969.

RIPLEY MRS 2000 REMOTE METER READER SYSTEM

Information on Apparatus

Syncopator unit includes

- (i) 4 dial, electro-mechanical switching mechanism
- (ii) 4 dial, visual register

Note: 4 dials register 1,000; 10,000; 100,000 and 1,000,000 cu. ft. per revolution respectively.

Mini-Reader, Model VR40

- (i) 4-position switch
- (ii) 0-9 digital readout display

Description

The Ripley Remote Meter Reader System is an electro-mechanical encoding device which is attached to the register of a domestic type P.D. gas meter.

This R.M.R. system provides the means for reading the registration of a gas meter at a point outside a house or building when the gas meter is installed inside. The syncopator unit is connected by a suitable length of multi-wire cable to an outlet receptacle box, mounted on the exterior wall of the building. The syncopator unit continually encodes the meter's registration so that, when, the meter reader inserts the Mini-Reader into the receptacle, he can electrically decode this registration.

The syncopator unit consists of a dual purpose register driven by the gas meter's index. When this unit is fitted, by means of an adaptor kit to the meter's index, the first dial shaft of the syncopator is connected by a drive shaft and dog to the pointer of the first dial on the meter. In operation, the four dial shafts of the Syncopator repeat the reading of the gas meter's index and at the same time, rotate four brushes on their respective decade switch positions corresponding to the four-dial registration.

The Mini-Reader houses a four position switch, which connects via a 14-wire cable to the four decade switches of the syncopator and a 10-lamp circuit with a dry-type battery supply. With the Mini-Reader inserted in the receptacle, the knob-switch is rotated, completing for each position turned, a light circuit to a brush position on one of the four decade switches in the Syncopator. The completed light circuit illuminates a one digit display corresponding to the single reading on the related register dials of the syncopator and gas meter. Proper advancement or rotation of the knob-switch through its four positions will give a 4 figure read-out. Details for operation may be seen in the illustration for visual reader.

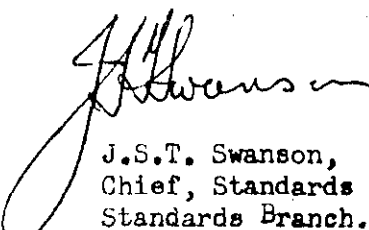
At the time of installation of a gas meter fitted with a Ripley Remote Reader System, the gas meter index, the syncopator index, and the mini-reader index readings must all be taken to ensure that they all indicate essentially the same amount. Subsequently, at intervals not exceeding one year, the utility shall re-check and record the readings of all three registers and any lack of correspondence shall be investigated to determine the cause.

Field test requirements and procedures will be outlined in a Technical Gas Circular to follow.

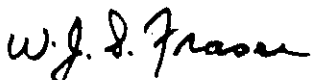
This approval covers the use of the Ripley MRS 2000 R.M.R. system and its adaptor kits with approved domestic*Positive Displacement gas meters manufactured by the Canadian Meter Company Limited and Parkinson and Cowan (Canada) Limited.

* Note: Whose registers do not exceed 1,000,000 cf before repeating.

Approval granted to:


J.S.T. Swanson,
Chief, Standards Laboratory,
Standards Branch.

Ripley Company Inc.,
Middletown, Connecticut,
U.S.A.

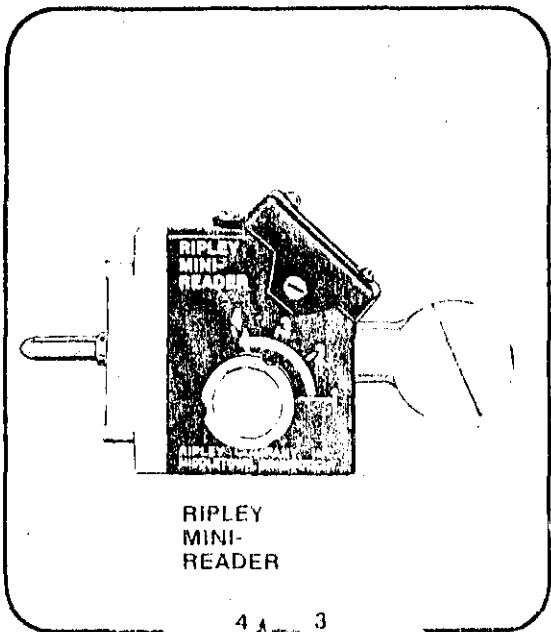

W.J.S. Fraser,
Chief, Electricity and Gas Division,
Standards Branch.

Ref: SL-100-117A

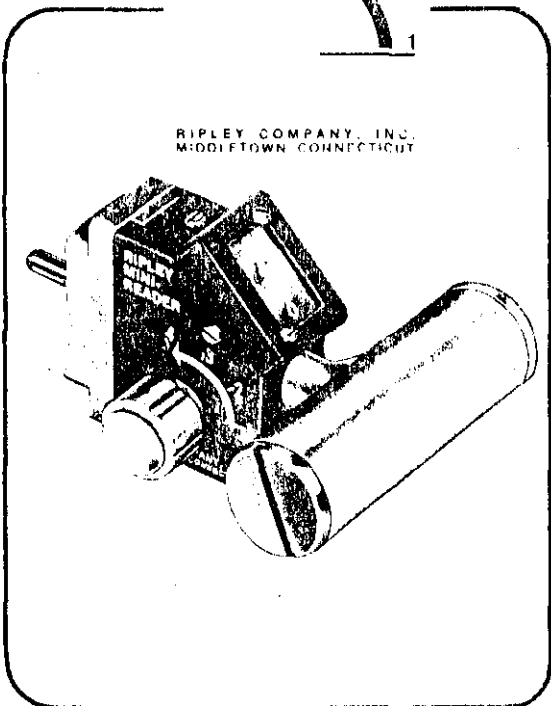


Mini Visual Reader

Model VR-40



RIPLEY
MINI-
READER



RIPLEY COMPANY, INC.
MIDDLETOWN, CONNECTICUT

OPERATION

Prior to insertion of the Mini-Reader in the Ripley Reading Receptacle, align the advancing cylinder (knob) start line with the start line on the reader. This position corresponds with the Syncopator remote index 1,000,000's dial.

The reader should then be inserted in the Reading Receptacle. The Syncopator 1,000,000 dial reading will be showing on the reader screen. Rotate the cylinder counter-clockwise one position at a time in the direction of the arrow. The second position corresponds to the Syncopator 100,000's dial reading. Continue rotating the knob in the same direction to the next position which will correspond to the 10,000's dial reading. Following this procedure once more will complete the operation and will provide the 1,000's dial reading.

BATTERY REPLACEMENT USE EVEREADY E126

To replace battery, unscrew coin-slotted end cap of the handle and place fresh Eveready E126 battery (if not available, a temporary replacement is Eveready 206) in holder negative end first. Replace and tighten cap.

PLEASE NOTE

While the Ripley MRS-2000 Mini Reader is a rugged field unit, care should be taken to avoid dropping it.

Other than replacement of battery, the unit should always be returned to the factory for any other repairs including lamp replacement.

RIPLEY M 2000

