



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



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

E-103

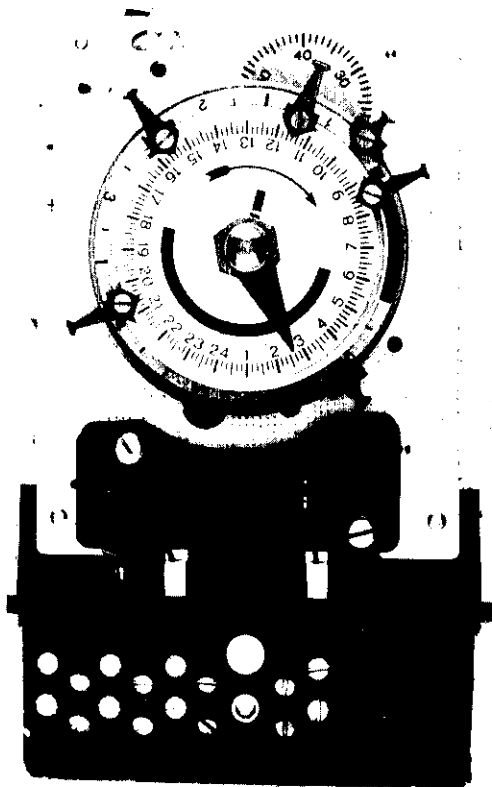
OTTAWA May 12, 1971

LANDIS & GYR TYPE "KVCL-" TIME SWITCH

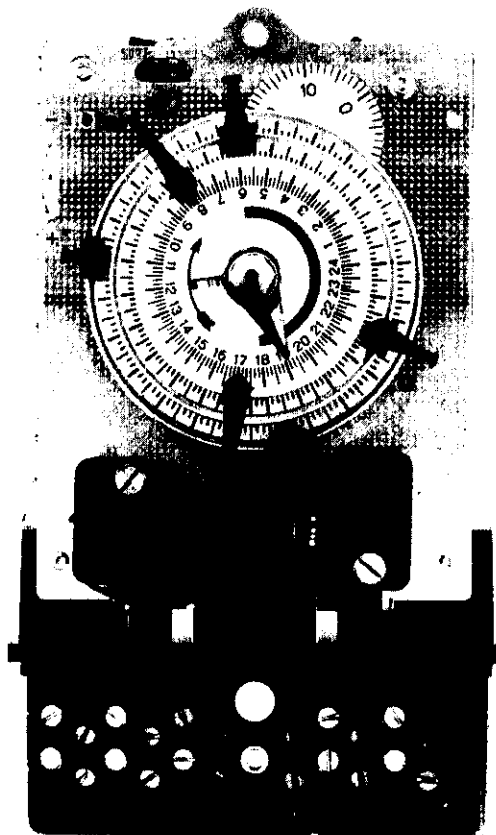
| | |
|-------------------------|---|
| Supply to Winding Motor | 115, 120, 240 and 120/240 volts, 60 Hz |
| Operating Periods | 5, 10, 15, 20, 30 and 60 minutes |
| Spring Reserve | 144 hours |
| Period Between Windings | 12 hours |
| Time to Rewind | 15 minutes for complete run-down |
| Approved Attachments | |
| m ① | S.P.S.T. Normally closed, maximum demand indicator control switch |
| q6 ① | S.P.S.T. Normally open, transmitting contacts with inverse function of "m" contact |
| k ① | "q6" contact function, physically separated from other contacts and equipped with a memory device preventing contact closure during absence of impulsing power. See E-2 |
| u ② | S.P.D.T. changeover switch and 24 hour dial |
| w ③ | S.P.D.T. weekly switch and weekly dial |
| n ④ | S.P.D.T. monthly switch and monthly dial |
| y ⑤ | S.P.D.T. yearly switch and yearly dial |
| f1 | Flush mounting case |
| f8 | surface bottom connected metal case (always used when "k" device is required) |
| Switch Capacity | "m", "k" 1 amp. "q6", "u", "w", "n", "y" 2 amp. |
| Min Switching Interval | Day dial 1 hour Weekly dial 7 hours Yearly dial 15 days |

LANDIS & GYR TYPE "KVC1-" TIME SWITCH

KVC1 wu



KVC1 uuu



- (1) A type KVCl Time Switch may have up to three "q6" and "m" contacts and each contact may have any one of the listed operating periods. In all cases, the operating periods of the various contacts will be incorporated in the type designation. The operating period in minutes is separated from the q6 symbol by a period, e.g., "q6".15" or the q6 symbol is in brackets.
- (2) The "u" contacts are actuated by riders attached to a 24 hour dial.
- (3) The weekly switch "w" is the same as the "s" switch approved for use on type KYAl time switches. Its purpose is to suspend the operation of certain other switch elements for an adjustable period once a week, e.g., over a weekend.
- (4) The symbol "n" refers to a monthly switch and dial. Riders are fixed to the last day of each month, initiating alternate movements of the S.P.D.T. switch. It is especially meant to reset type "m5" cumulative demand registers.
- (5) The yearly switch and dial "y" is the same dial as "n" with adjustable riders.

Certain functions may require a combination of several contacts, such as e.g., the case of a 24 hour print interval. In this case, the series connection of "m60" and "u" is required; "u" is set to close the circuit between 2330 and 0030 hours; "m60" (q6 side) closes on the hour.

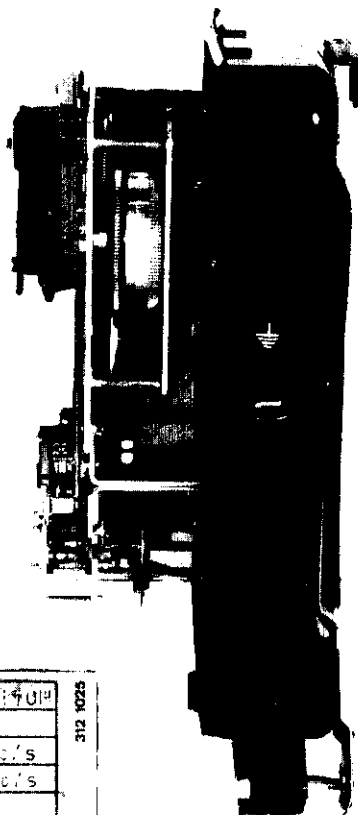
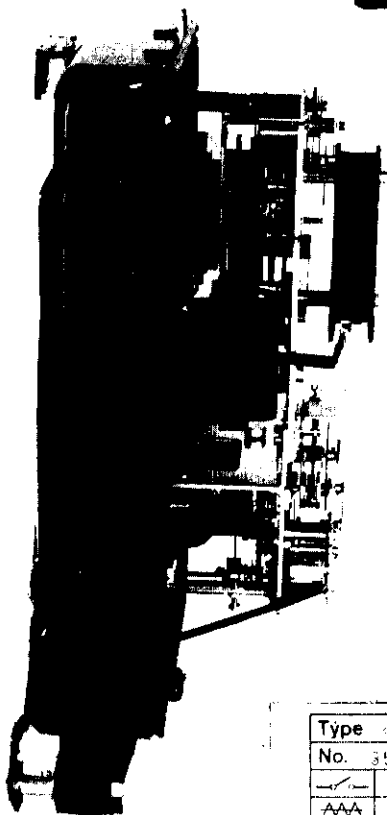
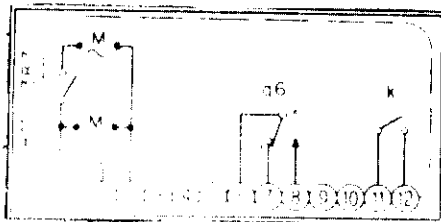
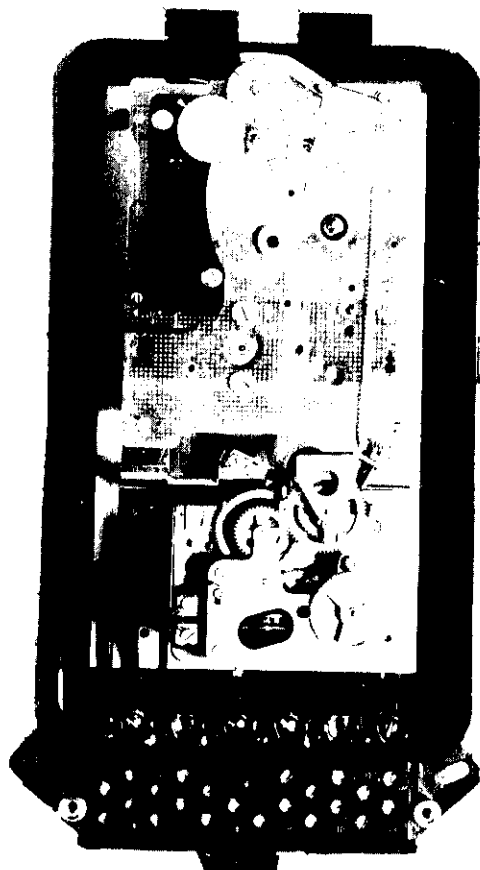
Description

The type "KVCl" time switch supersedes the type "WAl" time switch that received approval under circular S-EA.418.

The basic concept of the type KVCl time switch is the same as for the type KYBl (E-95), except for the fact that the timing device is not a synchronous motor with motor wound carry-over, but an electrically wound clockwork drive with an escapement control. The attachments and external appearance are the same except for a few minor details relating to the clockwork drive.

The base is of moulded material and the cover is of transparent thermo-plastic except that time switches incorporating the "k" attachment have a metal base and cover. Only time switches with the transparent cover have a sealable access window for changing the positions of the switching riders and setting the time.

KVC1(kmq6)30f8



| | | | | | |
|------|-------|----------------|---|---------------|--|
| Type | | KVC1(kmq6)30f8 | | TIME SW: 4012 | |
| No. | | 35 622 354 | | 312 1025 | |
| | 115 V | 1 | A | 60 c/s | |
| | | 115 | V | 60 c/s | |

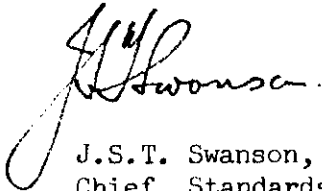
LG LANDIS & GYR Made in Switzerland

SOLE AGENTS IN CANADA LANDIS & GYR INC.

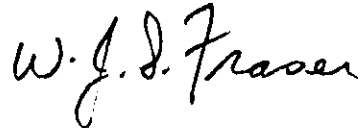
A paper diagram pasted under the terminal cover gives the types of contacts mounted on the time switch and the terminals to which they are connected.

Approval granted to:

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Ref: SL-100-818 (E)
SE-85-12