



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



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

E - 95

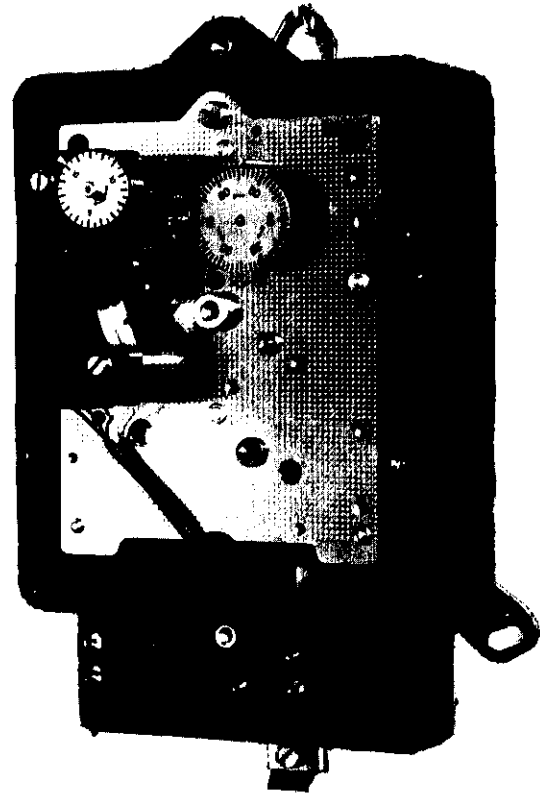
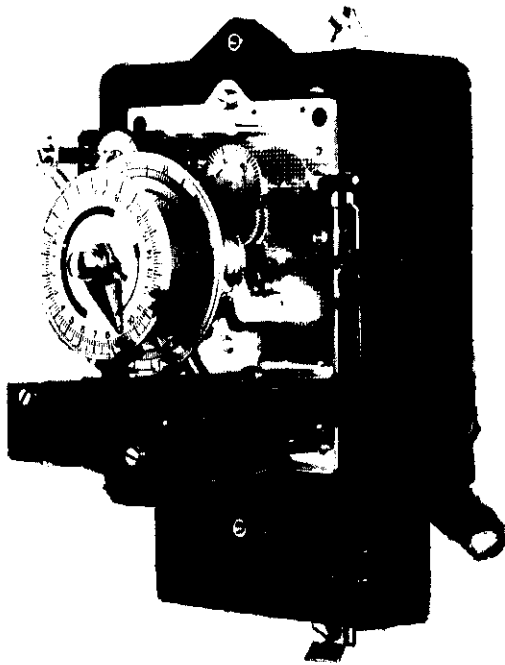
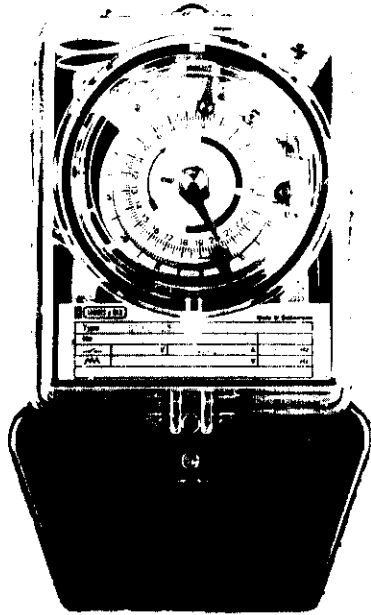
OTTAWA November 24, 1970.

LANDIS & GYR TYPE "KYBL-" TIME SWITCH

Supply to Timing Motor	115,120,240 and 120/240 volts 60 hz
Operating Periods ①	5,10,15,20,30 and 60 minutes
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
f8	surface bottom connected metal case (always used when "k" device is required)
Switch Capacity	"m" "k" 1 amp., "q6", "d", "u", "w", "n", "y" 2 amp
Min. Switching Interval	Day dial 1 hour Weekly dial 7 hours Yearly dial 15 days

① A type KYBL 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".

LANDIS & GRY TYPE "KYBL-" TIME SWITCH



- 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 operation of certain other switch elements for an adjustable period once a week, e.g. over a week-end.
- 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 is e.g., the case with 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; "m60" (q6 side) closes on the hour.

DESCRIPTION

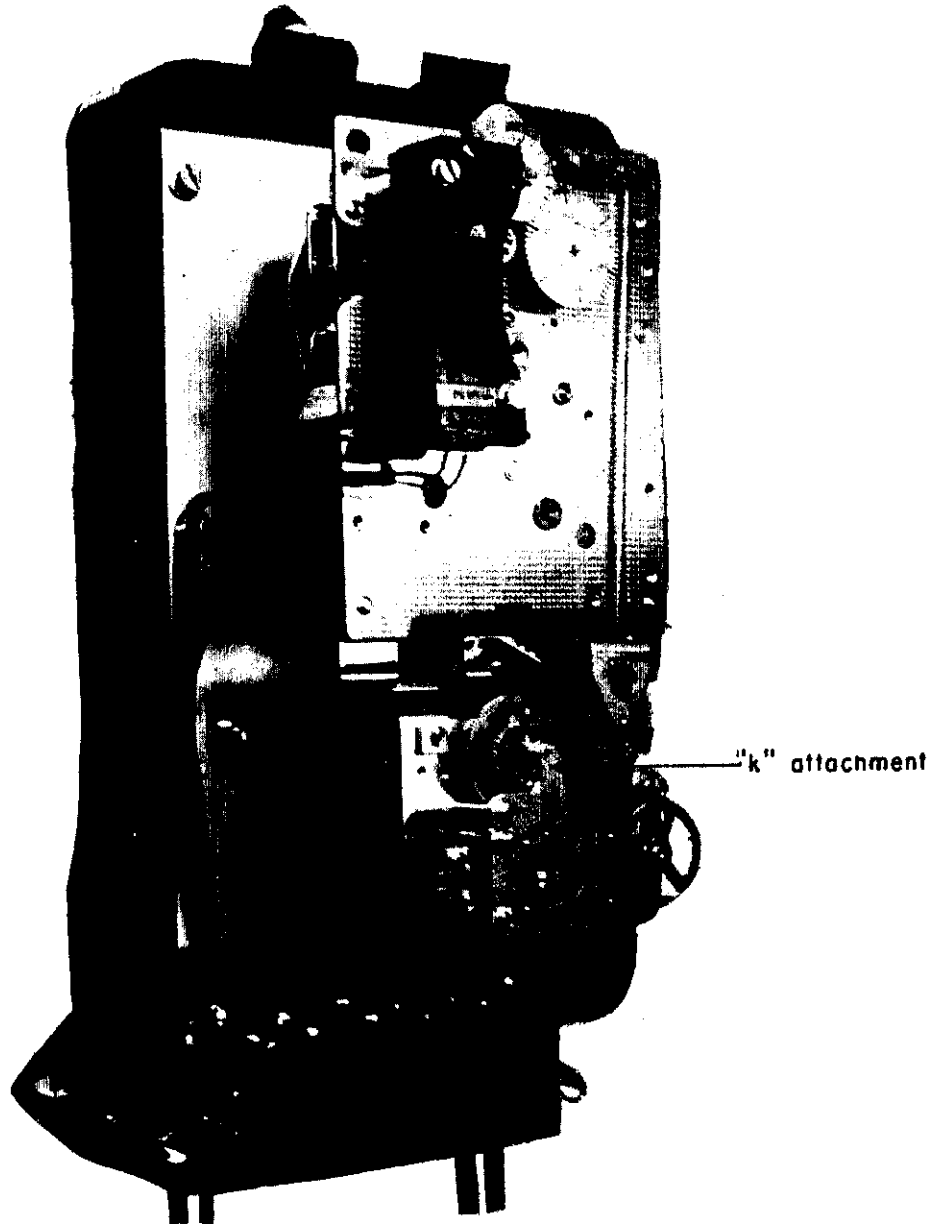
The type KYAL time switch (E-73) is replaced by the type KYBI which has a larger number of optional attachments.

A synchronous motor serves as driving and control element. The motor is connected through reduction gears to the overtake gearing which drives the time dials. A spring reserve movement is also connected through suitable gears to the overtake gearing. Upon failure of power to the motor a blocking lever releases the balance wheel of the escapement thus allowing the spring wound mechanism to continue the drive to the time dials. This spring mechanism can be wound initially by means of a screw driver and has a reserve capacity of approximately 36 hours.

The timing movement is contained between two plates. The time dials, power and tariff switches are mounted above the front plate.

The case base is of moulded material and the cover is of transparent thermoplastic material. The latter is fitted with a sealable bayonet fastened access window through which the switching riders and time dials can be reached for purposes of adjustment.

LANDIS & GYR TYPE "KYR1" TIME SWITCH

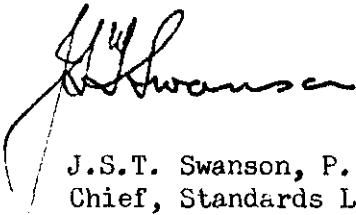


"k" attachment

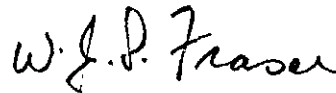
A paper diagram pasted under the terminal cover gives the types of contacts mounted on the time switch and the terminals to which they are connected.

Approval granted to:

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