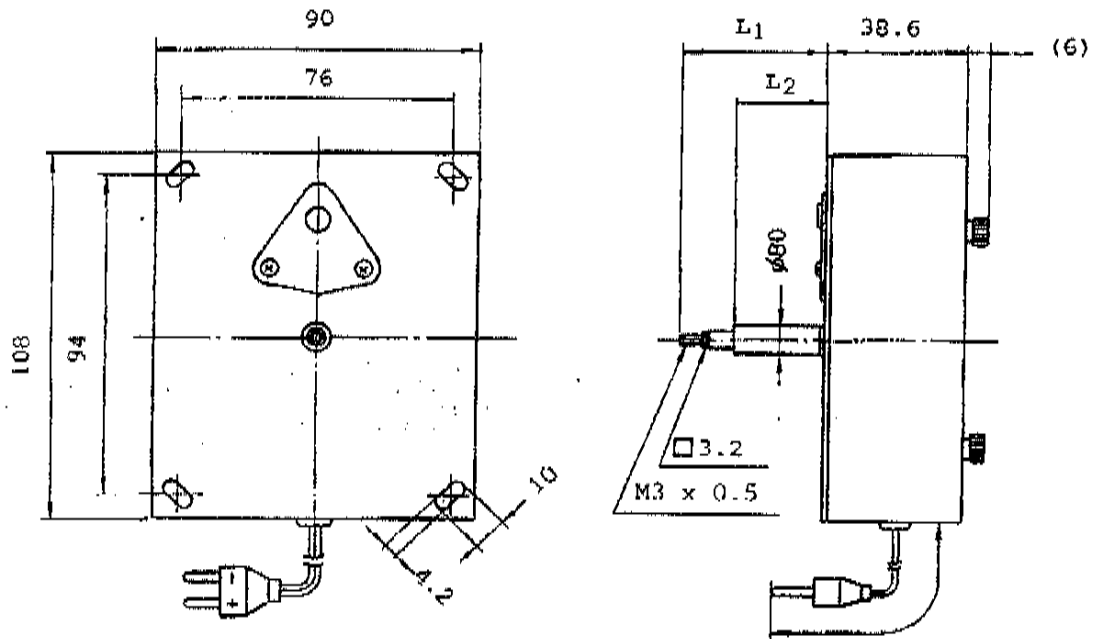


M850, 851. M855, 856

A. External dimensions

(Numeral in parentheses indicates value for M855, M856)



Model	L1	L2	Drg. No.
M850, 855	40	25	4-17939 (4-17941)
M851, 856	80	65	4-17940 (4-17942)

B. Remarks

1. Applicable input signal.

(1) Standard input signal

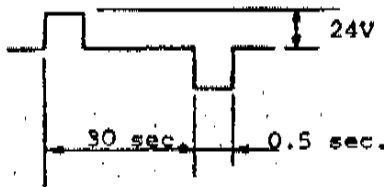
DC 24V (DC 3.6V), 30-sec. polarized signal (pulse width, 0.5 sec.)

(2) Adjusting input signal

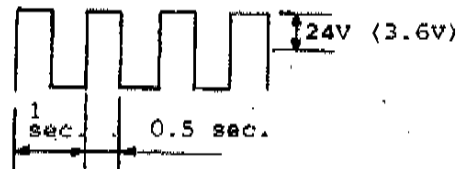
60 times as high a frequency as the standard input signal.

(3) Allowable counter electromotive force

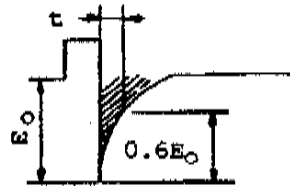
The counter electromotive force should preferably be zero, but may be permitted if it is less than 500 V-m sec. (75 V-m sec)



(1) Standard input signal



(2) Adjusting input signal



$$V \cdot t \text{ value} = E_0 \times t$$

(3) Allowable counter electromotive force

## 2. Allowable hand loads

- (1) Moment of inertia : less than 30 g-cm sec.<sup>2</sup>
- (2) Allowable unbalance : less than 55 g-cm
- (3) Hand weight : less than 150 g

## C. Characteristics

Operating voltage : 18 to 30 V (2.7 to 4.2 V)

Minimum pulse width : more than 250 m sec.

Coil resistance : 1200 ohms  $\pm$  10% (60 ohms $\pm$ 10%)

Hand keeping force : more than 250 g-cm

Minute hand shaft torque : 200 g-cm (170 g-cm)

Operating temperature : -20 °C to 80 °C

Relative humidity : 35 % to 95%

Shock resistance : 70 G

Vibration resistance: No abnormalities after tests

(1) 50 Hz, 0.4 mm, 2G x 2 hrs.

(2) 20-55 Hz, 0.75 mm x 2 hrs.

Dielectric strength : AC 500V, 1 min.

Insulation resistance: more than 10 Mohms, 250V

megger

Weight : 665 g

