

M-266A* FLASHING LAMP KEY TELEPHONE UNIT

1. GENERAL

1.0. This section describes the physical and functional characteristics of the M-266A Flashing Lamp Key Telephone Unit (see Fig. 1). Installation and maintenance procedures are included also.

1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

1.03 The M-266A provides flashing lamp and repeated ringing features for a standard 1A1 or 1A2 key system intercom. The unit is specifically designed for use with Melco intercoms, but will work with any of the above systems equipped with A-A1 control.

2. DESIGN FEATURES

2.01 Each unit is equipped with 10 circuits. Each circuit consists of a relay equipped with one Form A (make) and one Form C (transfer) contact and associated control circuitry.

2.02 The control circuits operate with 105V AC, 20Hz or 20V AC, 60Hz returned to B GRD when wired to a standard key system intercom. When an intercom call is placed, the called station flashing lamp and repeated ringing circuit locks and remains operated until the called station answers.

2.03 The circuit is restored when the called intercom station answers (closes ground to lead A) or the calling station releases (removes ground from SG).

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2.04 The M-266A can be mounted in a key system cabinet, a relay rack equipped with 7" spaced mounting bars or on a backboard.

2.05 All connections are made through the M-266A plug to an A25B or equivalent 25-pair connector cable.

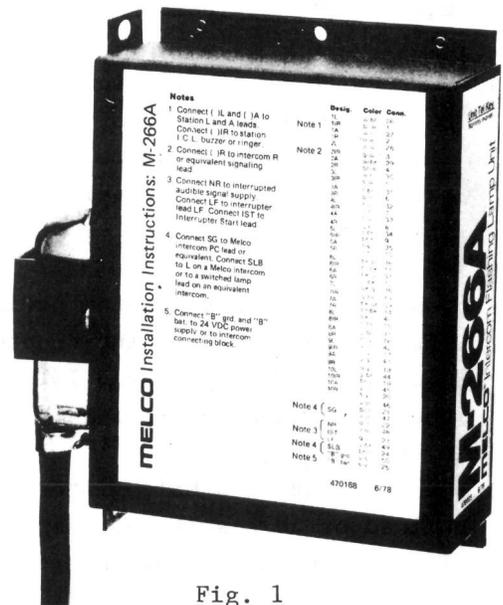


Fig. 1

3. INSTALLATION

3.01 Installation procedures for the M-266A Flashing Lamp KTU are as follows:

- (a) Mount the M-266A and connect an A25B or equivalent 25-pair connector cable to the M-266A plug.
- (b) Secure the cable with the clamp provided.
- (c) Terminate the cable on a type 66 connecting block.

- (d) Assign and cross connect the L and A leads of each station to the ()L and ()A leads of the M-266A.
- (e) Cross connect the ()IR lead of the M-266A to each R() lead of station bell or buzzer.
- (f) Assign and connect each ()R lead to an ()R lead on the Melco intercom terminal block or to the station signaling lead of an equivalent intercom.
- (g) Connect SG to a Melco intercom PC lead or to lead SG of a Melco M-268 if equipped, or to a switched ground lead of an equivalent intercom.
- (h) Connect NR to interrupted audible signal supply, LF to interrupter flashing lamp supply and IST to the interrupter start lead.
- (i) Connect SLB to a Melco intercom L lead or to a switched lamp lead of an equivalent intercom.
- (j) Connect the audible signal supply (AUD SUP) of the intercom to 20 or 105V AC.
- (k) Connect B GRD and B BAT from the 24 volt power supply or from the intercom connecting block to the M-266A.
- (l) Common all grounds.
- (m) Test each intercom station for repeated ringing and flashing lamps when signaled.

3.02 Functional schematic of M-266A, circuit 1 is shown in Fig. 2. Circuits 2-10 are the same as circuit 1. The application schematic of the M-266A is shown in Fig. 3.

4. MAINTENANCE

4.01 No provision is made for field adjustment or repair. If no output is detected, verify power connections and fuses. Check cable plug and connector for dirt, corrosion and contact spring tension.

NOTE: When this unit is used to replace an M-266, the following jumper changes on the existing M-226 connecting block are required:

	MOVE	ADD
DESIGNATION	SG	B GRD
FROM	PUNCHING 49 (V-S 50)	POWER SUPPLY
TO	PUNCHING 43 (V-O 47)	PUNCHING 50 (V-S 50)

4.02 Lead SG connects to lead SG on Melco M-268 Intercom Busy Unit if equipped, otherwise to lead PC on Melco Intercom.

4.03 The M-266A connector cable showing conductor assignments to stations and intercom are shown in Fig. 4.

5. SPECIFICATIONS

Operating Voltage	-18V DC to -28V DC -24V DC nom
Current at -24 DC	0ma idle 80ma operated

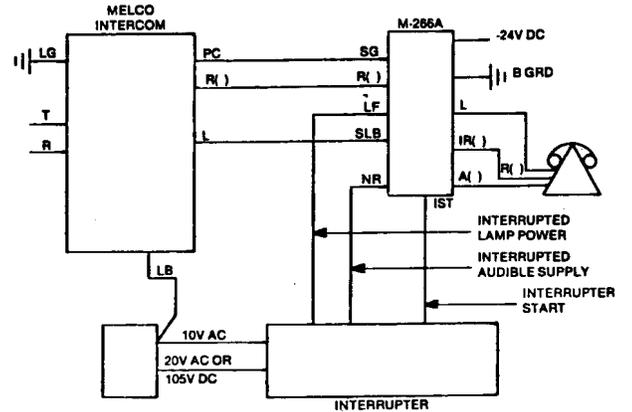
Relay contact rating 250V AC, 2 amps

Operating temperature range 0° to 50° C (32° to 122° F)

Dimensions 7.0" x 5.0" x 1.5"

Connections A25B or equivalent connector cable

Housing Epoxy coated aluminum



Application Schematic of M-266A.

6. ORDERING GUIDE

6.01 Order the M-266A as follows:

(QTY) M-266A UNIT TEL KEY

Fig. 3

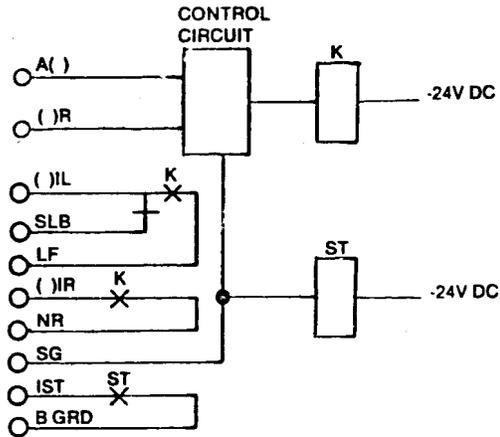


Fig. 2

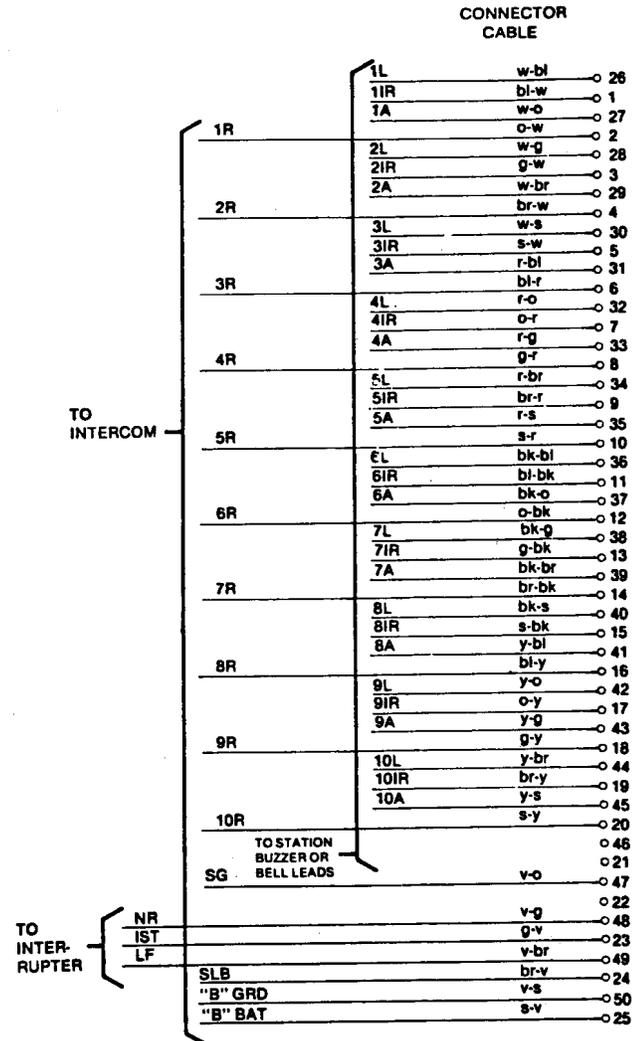


Fig. 4