

M-266A™ FLASHING LAMP KEY TELEPHONE UNIT

1. GENERAL

1.01 The M-266A provides flashing lamp and interrupted 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 most systems equipped with A-A1 control.

1.02 This product does not require registration under Part 68 of FCC Rules and Regulations.

2. DESIGN FEATURES

2.01 Each unit is equipped with 10 circuits.

2.02 Each circuit consists of a relay equipped with one Form A (make) and one Form C (break-make) contact combination and associated control circuitry.

2.03 Each control circuit operates and remains operated until the called station answers, closing ground to lead A or until the calling station hangs up, removing ground from lead SG.

2.04 The M-266A can be mounted in a key system cabinet, a relay rack or on a backboard.

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

3. INSTALLATION

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

3.02 Assign and cross connect the L and A leads of each station to the () L and () A leads of the M-266A.

3.03 Cross connect the () IR lead of the M-266A to each R () lead of station bell or buzzer.

3.04 Assign and connect each () R lead of the M-266A to an R () lead on the Melco intercom terminal block or to the station signaling lead of an equivalent intercom.

3.05 Connect SG to a Melco intercom PC lead, or to a switched ground lead of an equivalent intercom.

3.06 Connect NR to interrupted audible signal supply, LF to interrupter flashing lamp supply and IST to the interrupter start lead.



Fig. 1

3.07 Connect SLB to a Melco intercom L lead or to a switched lamp lead of an equivalent intercom.

3.08 Connect the audible signal supply (AUD SUP) of the intercom to 10 or 105V AC.

3.09 Connect B GRD and B BAT from the 24 volt power supply or from the intercom connecting block to the M-266A.

3.10 Common all grounds.

3.11 Test each intercom station for repeated ringing and flashing lamps when signaled.

4. MAINTENANCE

4.01 No provision is made for field adjustment or repair. If no output is detected, verify connections. Test the system by substituting with a unit known to be serviceable.

4.02 The M-266A is warranted against manufacturing and material defects. If it fails within the warranty period, it will be repaired or replaced without charge. See the Melco Warranty Service Policy for repair and return details.

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

Designation	Move SG	Add B GRD
From	Punching 49 (V-S 50)	Power Supply
To	Punching 43 (V-O 47)	Punching 50 (V-S 50)

Lead SG connects to lead PC on Melco intercoms.

5. SPECIFICATIONS

Operating voltage -18V DC to -28V DC
-24V DC nom

Current at -24V DC 0 ma idle
80 ma operated

Relay contact rating250V AC, 2 amps

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

Dimensions7.0" x 5.0" x 1.5"

Connections A25B or equivalent
connector cable

Housing.....epoxy coated aluminum

Weight 1 lb, 2 oz

6. ORDERING GUIDE

6.01 Order as follows:
(QTY) 120112 M-266A UNIT TEL KEY
from your local supplier or distributor.

6.02 Technical assistance on the M-266A or any
Melco product is available from:
MELCO
P.O. Box 6909
Bellevue, WA 98008-0909
(206) 643-3400
TWX: 910-443-3040

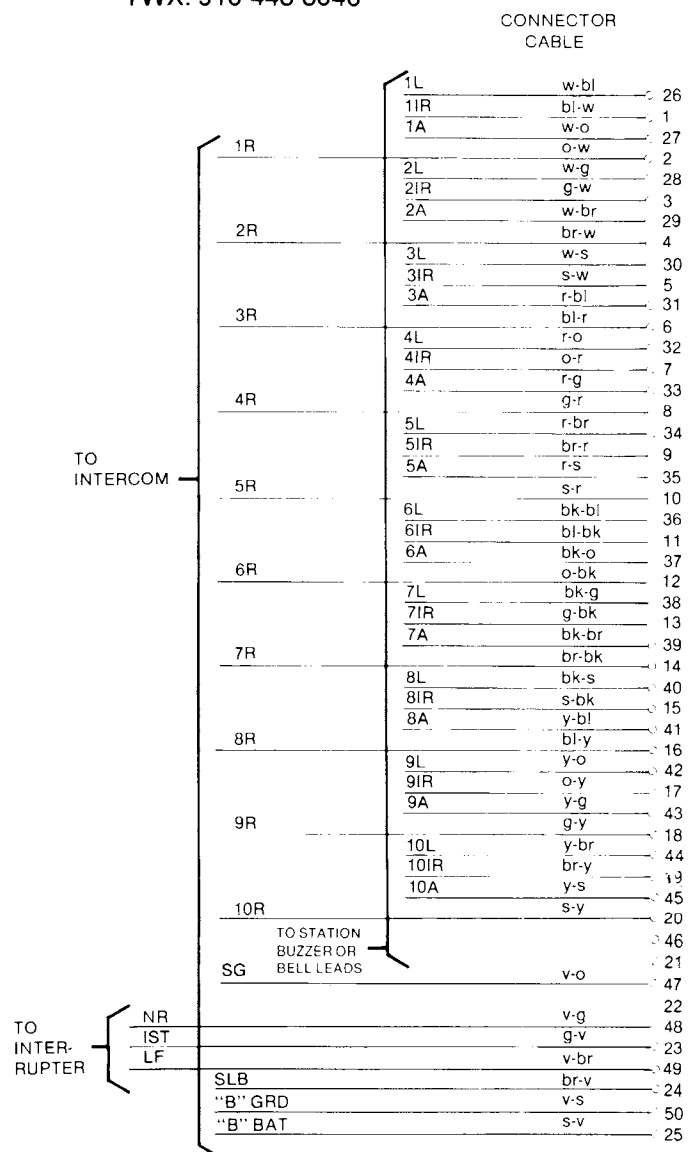


Fig. 2 — M-266A Connector Cable Showing Conductor Assignments to Stations and Intercom.

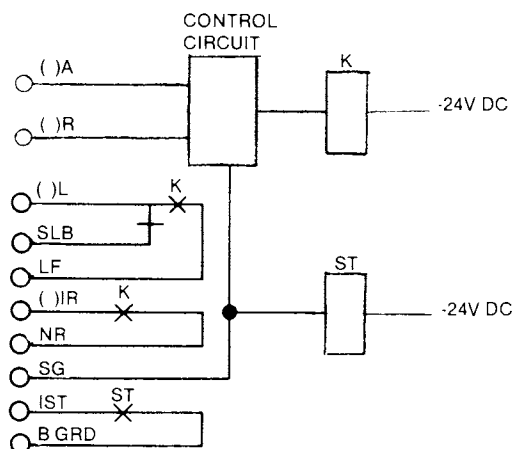


Fig. 3 — Functional Schematic of M-266A,
Circuit 1. (Circuits 2-10 Same as
Circuit 1.)

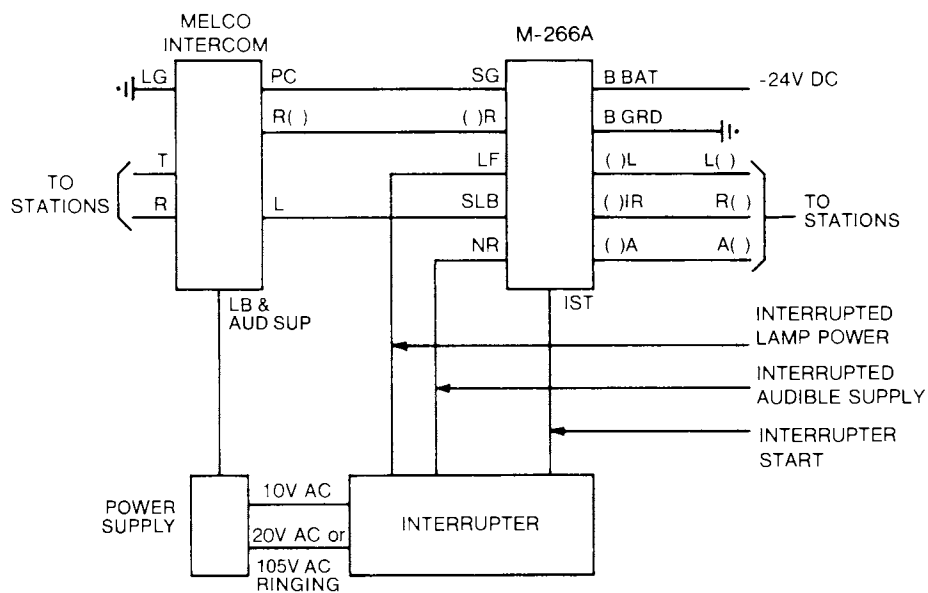


Fig. 4 — Application Schematic of M-266A.