

KA-380™ PAGING ACCESS  
(For Key System Intercoms)

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## 1. GENERAL

1.01 This practice describes the KA-380 Paging Access and provides instructions on its installation and maintenance.

1.02 The KA-380 allows a key system telephone user to access a paging system by operating the intercom key and dialing the paging access station number.

## 2. DESIGN FEATURES

2.01 The KA-380 is wall mounted.

2.02 Power requirements are met by the key system power supply.

2.03 All connections are made to the circuit through a 2x10 punch block.

2.04 The KA-380 locks up from ground through the PC or J contacts of the intercom system.

2.05 Transformer coupling provides 600 ohm input and output impedance.

2.06 Background music can be applied at the terminal block.

2.07 The station number for accessing the paging system is selected by connecting the appropriate R( ) lead from the intercom to the KA-380. The selected R lead can be from any audible supply 10V/60Hz to 105V/20Hz or from ground.

2.08 Momentary call attention tone from the speakers is optional.

2.09 Two sets of independent relay contacts for control of auxiliary equipment are furnished.

## 3. INSTALLATION

3.01 Mount the KA-380 on a wall or backboard.

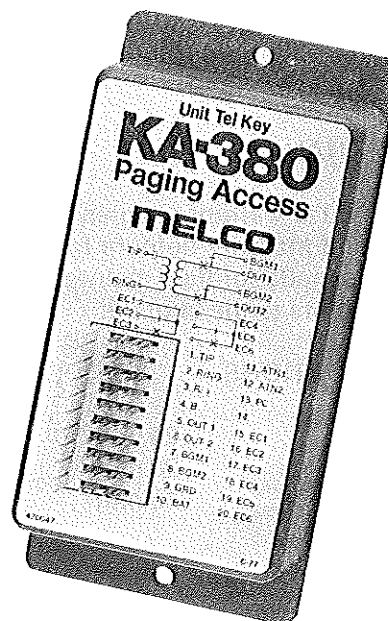


FIGURE 1

3.02 Make all connections on the ten row connecting block.

3.03 Connect Pin 1 of the KA-380 to the Tip, and Pin 2 to the Ring of the intercom.

3.04 Connect R( ) and PC of the KA-380 to the R( ) and PC of the intercom. To provide locking ground for lead PC, connect lamp ground to terminal LG of a Melco intercom. If an equivalent intercom is used, refer to the appropriate schematic for connections.

3.05 Connect OUT1 and OUT2 to an amplifier of 600 ohms input impedance. Standard twisted pair wire can be used. (Amplifiers of high impedance may require shielded wire.)

3.06 Connect BGM1 and BGM2 to the background music source. For best results, the music source and the amplifier input should be of the same impedance.

3.07 If attention tone before paging is desired, strap ATN1 and ATN2.

3.08 Connect the EC leads to auxiliary equipment as required.

3.09 Connect B ground and battery from the key system power supply to KA-380 terminals GRD and BAT.

#### 4. MAINTENANCE

4.01 The KA-380 is warranted against manufacturing and material defects for one year. No provision is made for field maintenance. Return defective units to the supplier.

#### 5. SPECIFICATIONS

5.01	Volts DC (B Battery)	-24 nom -28 max -18 min
	Current at -24 Vdc	25 ma idle 95 ma operated
	Impedance input output	600 ohms 600 ohms
	Frequency response (coupling)	300 Hz to 3 KHz, $\pm 1$ dB from flat
	Call Attention Tone	
	frequency	500 Hz $\pm 10\%$
	duration	1.5 seconds nom

#### 6. APPLICATIONS SCHEMATIC

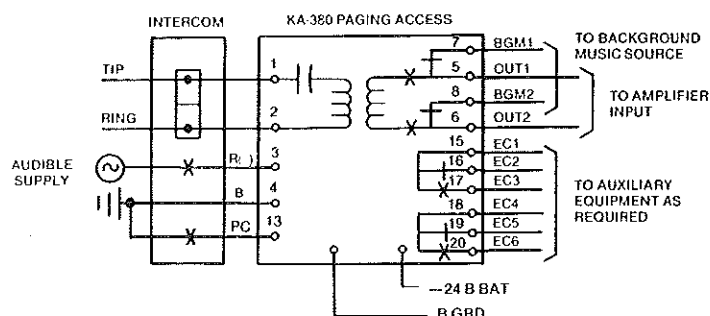


FIGURE 2

#### 7. ORDERING GUIDE

7.01 Order as follows:

(QTY) KA-380 PAGING ACCESS  
UNIT

from normal supply channels  
or from:

MELCO  
P.O. Box 4026  
Bellevue, Washington 98009

(206) 455-5661

This circuit is also available in a case suitable for mounting in an apparatus cabinet, relay rack or on a wall. Connections are made with a 25-pair connector cable to a Type 66 connecting block. For this arrangement specify KA-380-1.