

# **NEM-LD**

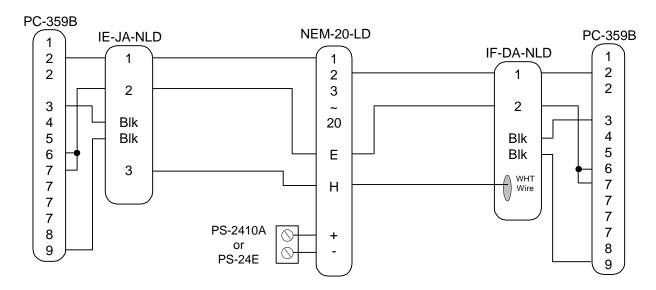
**NEM Lamp Memory System for Long Distances and Elevators** 

# NEM-n-LD Master Station IF-DA-NLD and IE-JA-NLD Sub Stations

## - INSTRUCTIONS -

The NEM Long Distance Lamp Memory System is designed for communication with remote locations up to 4,000' away, or to each elevator in a building. Sub stations are available in surface or flush mount styles, and require a separate circuit board (PC-359B) to be added for the call-in function. Three wires are required to each sub station.

#### WIRING DIAGRAM:



# **Individual Components for NEM-LD System:**

NEM-n-LD Master station (10, 20, 30, 40-station) for Long Distance IE-JA-NLD Flush mount long distance sub with stainless steel cover

IF-DA-NLD Surface mount long distance sub, brown plastic

PC-359B Call holding circuit board for sub station, mounted externally PS-2410A 24V DC Power Supply (for 10 and 20 station masters) PS-24E 24V DC, 2A Power Supply (for 30 and 40 station masters)

#### **SUB STATION MOUNTING:**

IE-JA-NLD: 2-gang electrical box

IF-DA-NLD: Surface mounts to 1-gang box

#### **NEM-LD TERMINAL DEFINITIONS:**

Positive 24V DC

Negative

1~40 Station number

E Common communicationH Provides power to sub station

PC-359B (Solder side view)

Solder pads: Numbered by location on board.

To 2 €

To Blk €

To Blk

### **OPERATION:**

- 1. When a sub station places a call, the red channel LED indicator lights and a call tone rings at the master. The tone and light will remain activated until the call is answered, which is the primary function of the PC-359B. The LED indicator at the sub station will be lit from the time the call is placed until it is answered.
- 2. If the master station is talking to another sub station, a new call from another sub station will light the LED, but the call tone will not be heard.
- 3. When the call is answered, the LED on the master goes off. The person at the master uses the push-to-talk, release-to-listen button, or picks up the handset to speak (with NEM-*n*A masters). The LED at the sub station will go off when the master answers.
- 4. When the conversation is completed, the OFF button to the left of the station selector button must be pressed to disengage the call.

# **SPECIFICATIONS:**

Power Source: 24V DC at master. Use PS-2410A or PS-24E.

Communication Output: 500mW at 20 ohms

Communication: Push-to-talk, release-to-listen or VOX handset at master.

Hands free at sub station.

Calling: Master to sub: By voice only after pretone.

Sub to master: Call tone and LED, remaining activated until call is

answered.

Wiring: 2 common plus 1 individual per sub, looped; or 3 conductors homerun

to each sub. Shielded cable is recommended.

Use Aiphone #822203 for homerun wiring, #822206 for 4 stations

on each run, or #822210 for up to 8 stations on each run.

Wiring Distance: 2,000' with 22AWG; 4,000' with 18AWG. Dimensions (H x W x D): IE-JA-NLD: 4-1/2" x 4-9/16" x 1-9/16"

IF-DA-NLD: 5-1/8" x 3-7/8" x 1-1/8"

**TOLL FREE TECHNICAL SUPPORT:** 

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