



# LOUROE ELECTRONICS®

6955 VALJEAN AVE, VAN NUYS, CA 91406  
PH: (818)994-6498 / FAX: (818)994-6458  
[techsupport@louroe.com](mailto:techsupport@louroe.com) / [www.louroe.com](http://www.louroe.com)

# TLSP-CM SPEAKER/MICROPHONE

## INSTALLATION AND OPERATING INSTRUCTIONS



**SPEAKER/MICROPHONE  
MODEL TLSP-CM  
(CORNER MOUNT)**

### DESCRIPTION

The Model TLSP Corner Mount is a two-way talk/listen speaker/microphone with built-in electret condenser microphone and a 3" speaker. Its 18 gauge vandal resistant housing is especially designed for mounting in a corner or between wall and ceiling. As part of a Louroe Audio Monitoring System, TLSP Corner Mount provides 2-way listen and talkback capabilities between the remote area and the Louroe Base Station.

### MICROPHONE AND SPEAKER CONNECTION

#### Microphone:

Located behind the 3" speaker of TLSP-CM is a PC board with a small black terminal block marked A, B, C. Using shielded portion of recommended wiring:

- 1) RED wire goes to terminal A (12 Vdc supply)
- 2) Black wire goes to terminal B (audio output)
- 3) Bare wire (drain) goes to terminal C (ground)

#### Speaker:

Mounted next to speaker is a 70V transformer with two lead wires, WHITE and GREEN. Using wire nuts, connect these two wires to the unshielded WHITE and GREEN cables of recommended wiring (West Penn 356 or equivalent), matching white with white and green with green.

# INSTALLATION AND OPERATING INSTRUCTIONS

## CONNECTING MODEL TLSP CORNER MOUNT TO A LOUROE BASE STATION

The following procedure pertains to all Louroe Base Stations with talkback

After wiring connections are made at Model TLSP-CM, run recommended 4 conductor cable to the Louroe Base Station and connect as follows. Connections are located on rear panel of the base station.

RED wire (12Vdc) goes to terminal "A" of Base Station (zone 1, 2, etc)

BLACK wire (Audio Output) goes to terminal "B" of Base Station

BARE wire (ground) goes to terminal "C" of Base Station

GREEN speaker wire goes to "TB" (talkback) terminal of Base Station

WHITE speaker wire goes to "G" (ground) terminal of Base Station

### SPECIFICATIONS (MICROPHONE)

▪ Sensitivity	-45 dBV/Pa 1 Pa = 94 dB SPL
▪ Frequency Response	50 Hz to 15 kHz
▪ Output	Line Level (0 dBV, 600Ω @ 1kHz)
▪ Current Drain	10mA
▪ Supply Voltage	12 Vdc

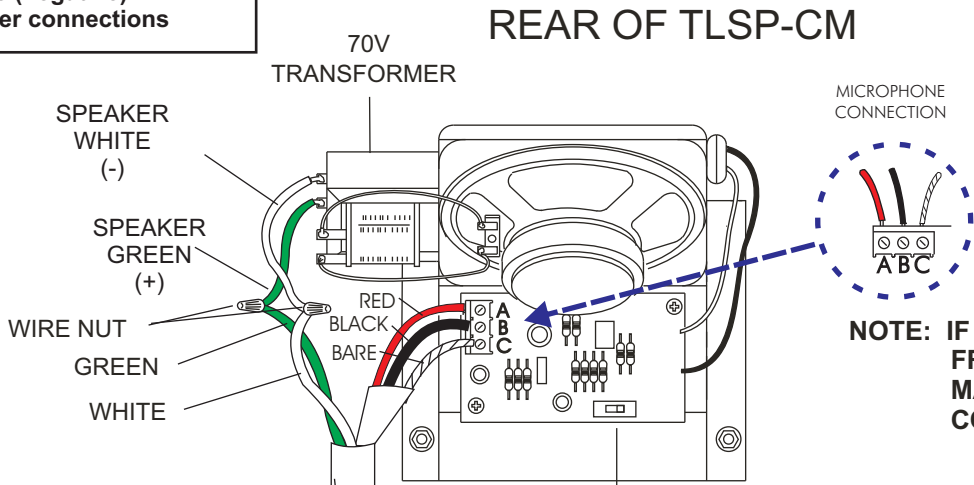
### SPECIFICATIONS (Speaker)

▪ Power rating	7W
▪ Input	70.7V constant
▪ Frequency response	300 Hz to 4 kHz
▪ Voice coil impedance	8Ω
▪ Speaker size	3"
▪ Dimensions	10" L x 6" W x 4 1/2" D
▪ Material	Steel
▪ Weight	2 lb 13 oz
▪ Shipping Weight	4 lbs

## WIRING DIAGRAM FOR MODEL TLSP-CM (CORNER MOUNT) SPEAKER/MICROPHONE

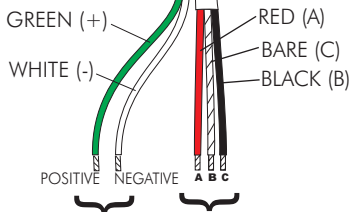
**Terminal Block Identification**  
**Microphone**  
 C - Ground  
 B - Audio Output  
 A - 12Vdc Power  
  
 Green wire (positive)  
 White wire (negative)  
 are speaker connections

**MICROPHONE TERMINAL BLOCK IDENTIFIER**  
 A = 12Vdc Power (red)  
 B = Audio Outputs (black)  
 C = Ground (bare)



**NOTE: IF USING CABLE FROM OTHER MANUFACTURERS, COLOR CODE MAY VARY**

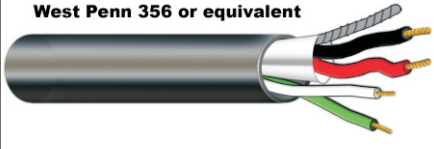
MICROPHONE SENSITIVITY SWITCH  
 USED ONLY FOR LOWERING THE GAIN - 6dB  
 TO REDUCE BACKGROUND AND PICKUP



UNSHIELDED SPEAKER AND ALARM CONNECTION  
 SHIELDED MICROPHONE CONNECTION

Refer to installation instructions on page 1 or to the specific Louroe Base Station

**WIRING REQUIREMENTS**  
 4 Conductor consisting of:  
 ■ 2 Conductor **shielded**, 20 gauge with 22 gauge drain (microphone connection)  
 ■ 2 Conductor **unshielded**, 18 gauge (speaker connection)  
 All in the same jacket



## MANUFACTURED IN THE



### IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:  
Federal Regulations, US Code, Title 18.  
Crime and Criminal Procedure, Sec 2510.

### WARRANTY

LOUROE ELECTRONICS® warrants that at the time of shipment products manufactured by LOUROE ELECTRONICS® to be free of defects in material and workmanship. Should a defect appear within one year (12 months) from date of shipment, LOUROE ELECTRONICS® will, at its sole discretion, repair or replace the defective equipment. This equipment shall not be accepted for repair or return without prior notification by LOUROE ELECTRONICS®.

This warranty does not extend to any Louroe product that has been subjected to improper or incorrect installation, misuse, accident, or in violation of installation instructions provided by LOUROE ELECTRONICS®.

Returned shipments to LOUROE ELECTRONICS® shall be at customer's expense. LOUROE ELECTRONICS® will return the equipment prepaid via best way.