

MR-4 MOUNTING RING



BR-4 GRILL

WITH SPEAKER AND MICROPHONE ASSY



MODEL TLM-CS

DESCRIPTION

The Model TLM-CS is a surface mount ceiling speaker/microphones consisting of an electret condenser microphone and 4" speaker, all within one housing. As part of a Louroe audio monitoring system, it provide hands free two-way talk/listen communication between the remote area and the Louroe audio base station.

Model TLM-CS includes:
TLM speaker and microphone assy
BR-4 grill
MR-4 Mounting ring

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.

WIRING REQUIREMENTS

- 4 Conductor consisting of:
- 2 Conductor **shielded**, 20 gauge with 22 gauge drain (microphone connection)
 - 2 Conductor **unshi** (speaker connection)
- All in the same jacket

West Penn 356 or equivalent



INSTALLATION AND OPERATING INSTRUCTIONS

MICROPHONE AND SPEAKER CONNECTIONS

Using West Penn 356 as an example cable (see connection diagram, page 3) connect cable as follows:

If using wiring from other manufacturers, color code may vary

MICROPHONE CONNECTION

- 1) Connect RED wire to terminal block marked "A" (+12Vdc)
- 2) Connect BLACK wire to terminal block marked "B" (Audio Output)
- 3) Connect DRAIN wire (bare) to terminal blocked marked "C " (Ground)

SPEAKER CONNECTION

- 1) Using a wire nut, connect GREEN wire (positive) to GREEN wire connected to speaker transformer
- 2) Again using a wire nut, connect WHITE wire (negative) to WHITE wire connected to speaker transformer.

TLM CONNECTION TO LOUROE AUDIO BASE STATION

Most Louroe base stations contain terminal blocks on the rear panel and are the same or similar to the TLM-CS. Carefully match pins A to A, B to B, etc. Refer to the base station instructions that accompany TLM instructions.

SPECIFICATIONS (MICROPHONE)

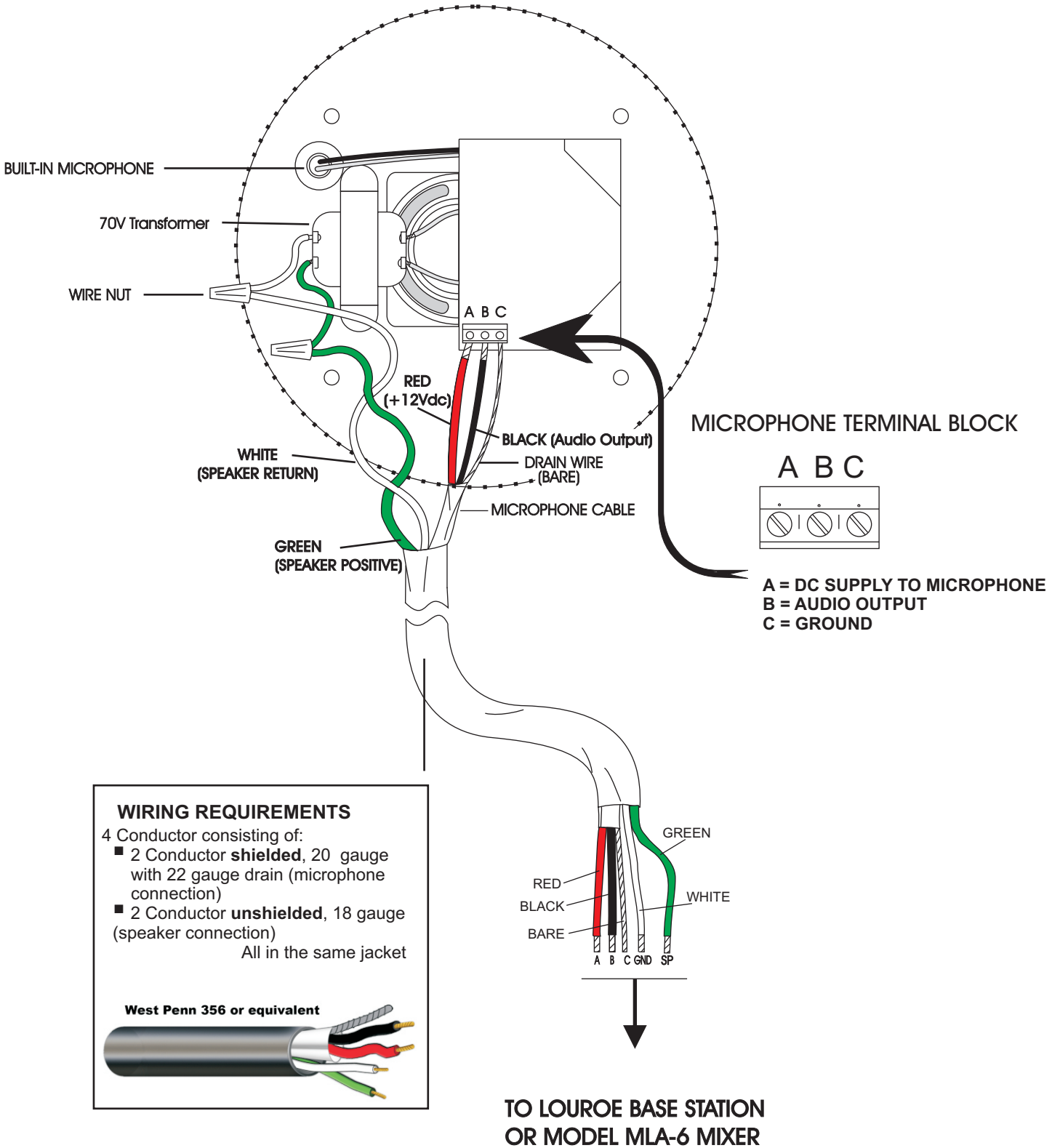
▪ Sensitivity	-45 dBV/Pa 1 Pa = 94 dB SPL
▪ Frequency Response	50 Hz to 15 kHz
▪ Output	Line Level (0 dBV, 600Ω @ 1kHz)
▪ Current Drain	10mA
▪ Supply Voltage	12 Vdc

SPECIFICATIONS (Speaker)

▪ Power rating	7W
▪ Input	70.7V constant
▪ Frequency response	30 Hz to 20 kHz
▪ Voice coil impedance	8Ω
▪ Speaker size	4"
▪ BR-4 Grill with speaker and mic	7 5/8" Dia x 2 3/4"D
▪ MR-4 Mounting Ring	7 3/8 "Dia x 3" H
▪ Weight	1 lb 8 oz
▪ Shipping Weight	4 lbs

INSTALLATION AND OPERATING INSTRUCTIONS

REAR OF TLM-CS



**MOUNTING ASSEMBLY
FOR
LOUROE MODEL TLM-CS SPEAKER/MICROPHONE
CEILING MOUNT - SURFACE**

