

VERIFACT™ B

MICROPHONES

INSTALLATION AND OPERATING INSTRUCTIONS

DESCRIPTION

The Model Verifact™ B is an omni-directional, low impedance, electret condenser microphone with built-in preamp. It can pick up normal sounds approximately 15 ft. away, or within a 30 ft. diameter circle. Verifact B produces line level output (0 dB @ 1000Ω) and can be located up to 1,000' from the Louroe™ base station. The Microphone element is suspended from the pre-amp and dome housing by a 3' extension cable and is designed for high ceiling applications. The Verifact B is compatible with all Louroe Audio Base Stations or Louroe Audio Interface Adapters.

NOTE:

Verifact™ B Microphone is NOT recommended for outdoor use or in areas with high moisture content.

WIRING REQUIREMENTS

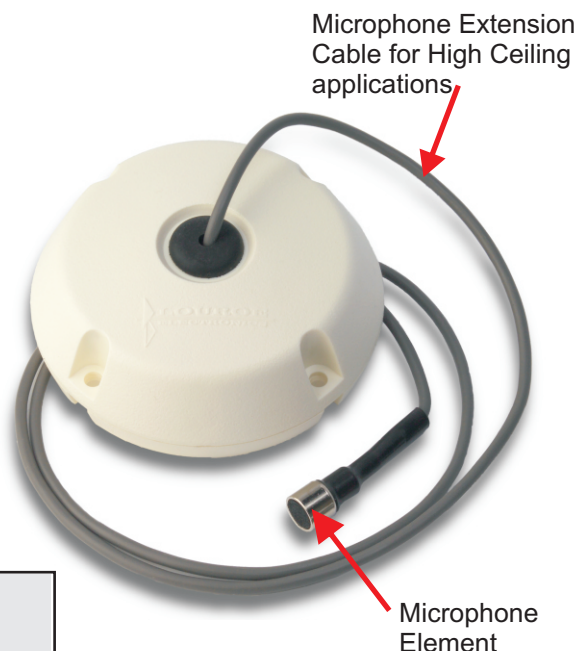
2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

NOTE: Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent



VERIFACT™ B MICROPHONE



SPECIFICATIONS

■ Sensitivity (microphone & preamp)	80 dB SPL input provides 0.254V rms
■ Frequency response	40 Hz to 15 kHz ± 1 dB
■ Output	Line Level (0 dB @ 1000Ω)
■ Current drain	4 mA
■ Supply voltage	12 Vdc
■ Microphone housing	High impact ABS
■ Dimensions	US 4" dia x 1 1/2" H metric (10cm dia x 3.8cm H)
■ Weight	0.5 Lb (0.2 Kg)

MECHANICAL INSTALLATION

The Model B is cylindrical, 4" dia. x 1½" H, and has four mounting holes for surface mounting to a ceiling or other flat surface.

ELECTRICAL CONNECTION

Verifact™ B connects directly to any Louroe Base Station or Louroe™ Audio Interface Adapter(IF-1, IF-2, IF-4 or IF-8). The Base Station or Interface Adapter provides phantom 12Vdc power to the Verifact™ B Microphone.

MICROPHONE CONNECTION

A 3-pin terminal block is located on the back of the microphone housing, marked A, B, C.

A represents +12 Vdc power

B represents Audio Output

C represents Ground

If using West Penn 452 or equivalent with same color code, connect as follows:

1. Red wire (12 Vdc) connects to terminal A of microphone terminal block
2. Black wire (audio out) connects to terminal B of microphone terminal block
3. Bare wire (ground) connects to terminal C of microphone terminal block

NOTE: If using wiring with a different color code, be sure they are properly matched between the microphone and Louroe Base Station or Interface Adapter.

CONNECTING VERIFACT™ B MICROPHONE TO A LOUROE™ BASE STATION OR AUDIO INTERFACE ADAPTER

All Louroe audio base stations (except the ALA-4/8 series) and Interface Adapters have corresponding terminal blocks marked A, B, C. Connect other end of cable as follows:

1. Red wire from microphone connects to pin A of Base Station or Interface Adapter (12Vdc)
2. Black wire from microphone connects to pin B of Base Station Interface Adapter (Audio Output)
3. Bare wire from microphone connects to pin C of Base Station Interface Adapter (Ground)

If base station is ALA-4/8 series, please refer to installation instructions for the specific model.

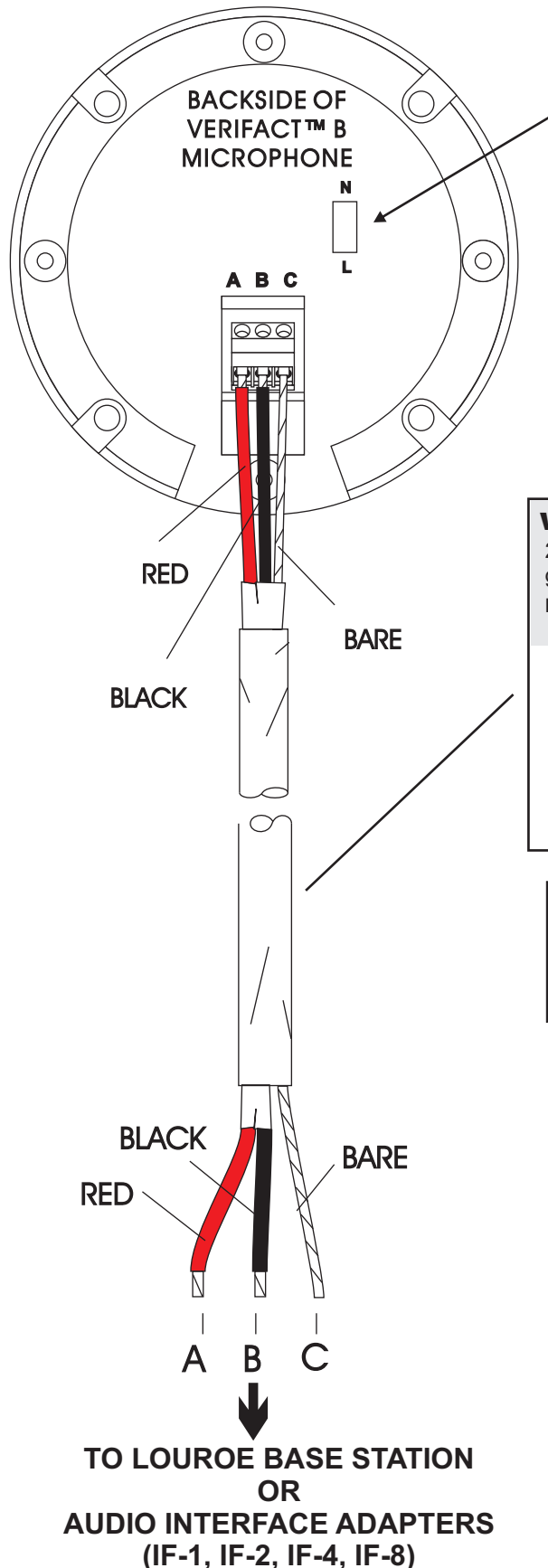
CONNECTING VERIFACT™ B MICROPHONE TO OTHER AUDIO DEVICES.

If a Louroe audio base station is not used and microphone is being connected directly to another source from other manufacturers, 12 Vdc power must be applied to terminals A and C. (A is positive, C is negative). Terminals B and C of microphone (C is common) go to the "Audio In" or "Line in" of the audio source. Wire from terminal B should be shielded.

INSTALLATION TIP: If area to be monitored for audio is noisy or has background disturbances, the microphone should be positioned close to the subject as possible. Also, the microphone sensitivity switch can be moved from "N" position to "L" position to help reduce background noise.

"N" is normal, "L" is low.

INSTALLATION AND OPERATING INSTRUCTIONS



MICROPHONE SENSITIVITY SWITCH

The microphone pre-amp (PC board) contains a sensitivity switch with two positions marked N and L, and is located on the back side of the Model A near the terminal block:

N represents normal sensitivity
(0 dB @ 1,000Ω)

L represents lower sensitivity
(-6 dB @ 1,000Ω)

Microphone is always shipped in the N position. For less microphone sensitivity, move slide switch to L position.

WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

NOTE: Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent



A = +12Vdc (RED)
B = Audio (BLACK)
C = Ground (BARE)

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.