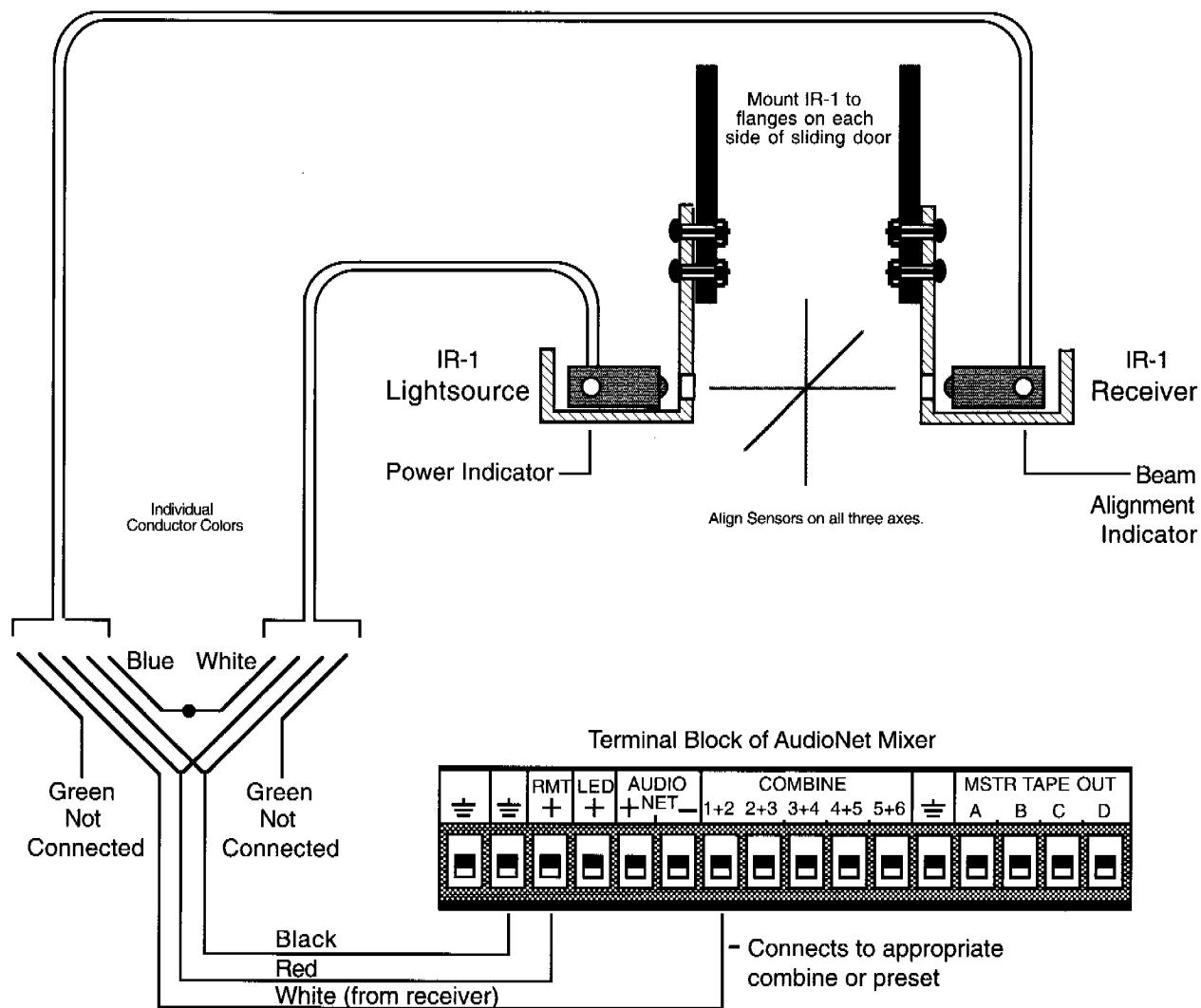


The IR-1 is an intelligent infrared sensor system designed to automate room combining in sound systems by sensing whether doors or partitions separating rooms are open or closed. The power of the IR-1 is realized when used in conjunction with Ivie's programmable AudioNet® matrix mixers. The IR-1 sends a logic signal to the AudioNet matrix mixer indicating whether a door is open or closed and the mixer then combines or separates the sound system in the

rooms automatically. The flexibility of the matrix mixer's programming allows a sound system to be reconfigured immediately. Sound system parameters that can be reconfigured include mix parameters, room combinations, "head table" location, level adjustments and signal routing to meet the needs of almost any custom configuration.

Though powerful in its application, the IR-1 is most simple in its two-piece

composition: Lightsource and Receiver. With the inclusion of a built-in Beam Alignment Indicator on the Receiver unit, the IR-1 is designed for easy installation. When the Receiver is illuminated by the infrared Lightsource, the Beam Alignment Indicator glows red to indicate proper alignment. Even special circuitry has been employed to ensure that the Receiver will respond only to infrared light emanating from its companion Lightsource.



Installation Instructions

Physical Installation:

Mount the Lightsource and Receiver on either side of the sliding door track, directly across from each other. The Lightsource and Receiver need to be aligned on three axes (x, y, and z.).

Testing Alignment:

For convenience, a 9-volt battery can be temporarily connected to the units to check alignment. (Caution: Do NOT connect a battery to the sensors while they are connected to the mixer!)

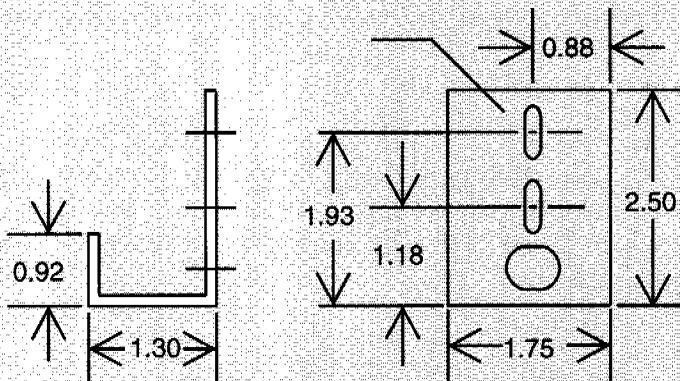
- a) Connect the BLUE wire of the Receiver to the WHITE wire of the Lightsource
- b) Connect the battery to the RED (+) and BLACK (-) wires of both units. The Power Indicator of the Lightsource should now be lit.
- c) If the units are properly aligned, the Beam Alignment Indicator on the Receiver will glow. If the Beam Alignment Indicator is not glowing, then move one unit or the other (Lightsource or Receiver) until they are properly aligned, as indicated by the Beam Alignment Indicator.
- d) When testing is completed, remove the 9-volt battery.

Electrical Installation:

- a) Connect the RED wires from both units (Lightsource and Receiver) to the RMT+ terminal of the mixer.
- b) Connect the BLACK wires from both units to a ground terminal of the mixer.
- c) The BLUE wire of the Receiver is connected to the WHITE wire of the Lightsource. (Note: The WHITE wire must be from the Lightsource, not the Receiver!)
- d) The WHITE wire of the Receiver is connected to the desired Combine or Preset terminal of the mixer. When wired correctly, the Combine or Preset will be activated when the Lightsource illuminates the Receiver. The IR-1 is engineered so that when a door is opened, the white wire of the Receiver is "pulled to ground." This activates the Combine or Preset.

Supply voltage: 10 to 30 VDC
Lightsource Cable jacket color: Black
Receiver Cable jacket color: Yellow

SPECIFICATIONS



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