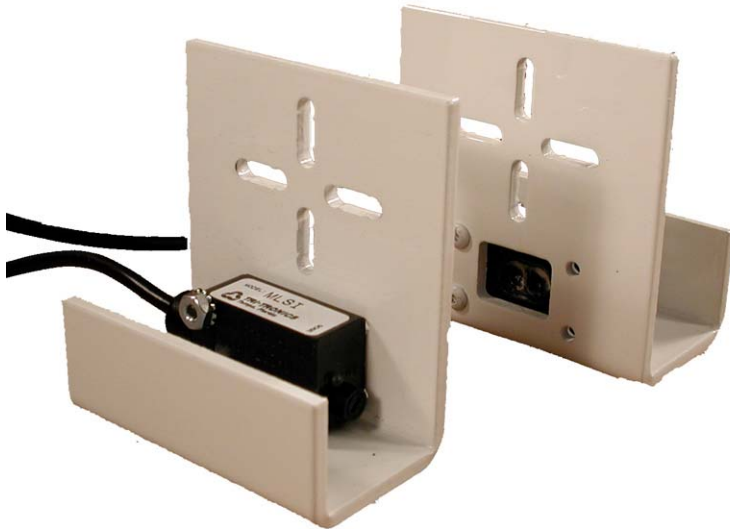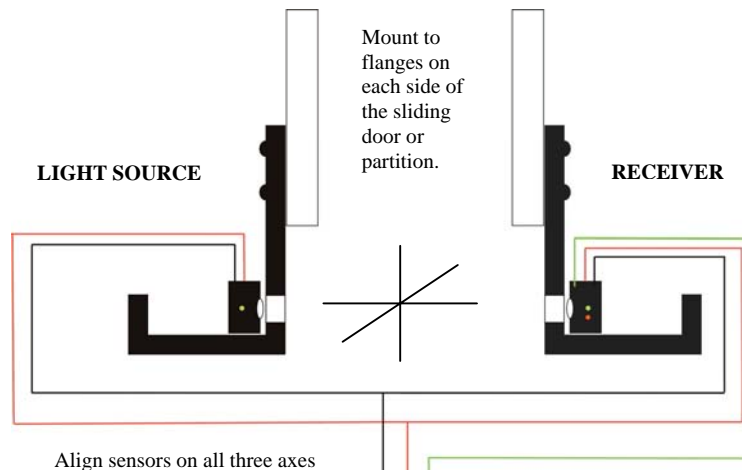# BLU-IR Infrared Sensors

The BLU-IR is a light source/receiver pair of infrared sensors for use with *BSS Audio London Series Digital Signal Processors*. They are used to sense whether doors or partitions are open or closed, so the mixer can provide audio to an overflow area.

BLU-IR Wiring Instructions

Mount to flanges on each side of the sliding door or partition.

LIGHT SOURCE

RECEIVER

Align sensors on all three axes

Cat5e Wiring of BLU-IR
Pin 1 – Green wire to White-Orange
Pin 4 - both Red wires to Blue
Pin 8 – both Black wires to Brown

(key on bottom)

When power is applied to the BLU-IR, the green LED on both the light source and receiver will light. When the beam from the light source is aligned with the receiver, the red LED on the receiver will light. Be sure to align the sensors on all three axes.

At the rack, the Cat5e cable end needs to be crimped to TIA/EIA 568B Standards (see below).

EIA/TIA 568B
1. White-Orange
2. Orange
3. White-Green
4. Blue
5. White-Blue
6. Green
7. White-Brown
8. Brown

The rack side cable end should be plugged into one of the right hand RJ-45 ports on the back of the BLU-CIF or BLU-IF.

IR1   IR2   IR3   IR4
(future use)