

SUBJECT

Wizard SMR (Self-Monitored Ready) Wiring Configurations With and Without Presence Inputs

July 18, 2000

INSTRUCTIONS

The Wizard system can be wired to all sliding automatic doors, with or without separate activation and presence inputs. These two scenarios are described below:

1. Scenario 1 Separate Activation and Presence Inputs:

This scenario applies to any sliding automatic door that has *separate* activation and presence inputs (inner and outer motion inputs and safety beam or overhead presence inputs). This would be the case on most door manufacturers' newer products. Referencing Figure 1 attached, connect the white and brown wires from both Wizards to the common terminal or connection. The exterior Wizard's green wire is connected to outer impulse, and the interior Wizard's green wire to inner impulse. The remaining two blue wires from the Wizards are wired to safety beam or presence inputs. With this wiring configuration you are observing the polarity of the Wizard. This arrangement will also allow one-way traffic capability without any added relays, and meets ANSI 156.10 8.2.3.

2. Scenario 2 Paralleled Activation and Presence Inputs:

This scenario applies to a sliding automatic door that uses the activation inputs for both the motion and presence sensors (such as safety beams or overhead threshold protection). Referencing Figure 2 (attached), connect the white and brown wires of the cable to *common*, and the green and blue wires from the cable to *activation* input.

One example of this scenario would be a door with black and red activation inputs. Connect the white and brown wires from the Wizard to the red input (common), and connect the green and blue wires to the black input (activation).

The polarity of the presence inputs from the Wizard must be observed. The brown wire is negative and the blue wire is positive.

If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call B.E.A., Inc. for further assistance during Eastern Standard Time at
1-800-523-2462 from 7am - 5pm or 1-800-407-4545 from 5pm - midnight & weekends.

DO NOT leave any problem unresolved. If you must wait for the following workday to call B.E.A., leave the door inoperable until satisfactory repairs can be made. **NEVER** sacrifice the safe operation of the automatic door or gate for an incomplete solution.

Figure 1

MOTION AND PRESENCE SEPARATED

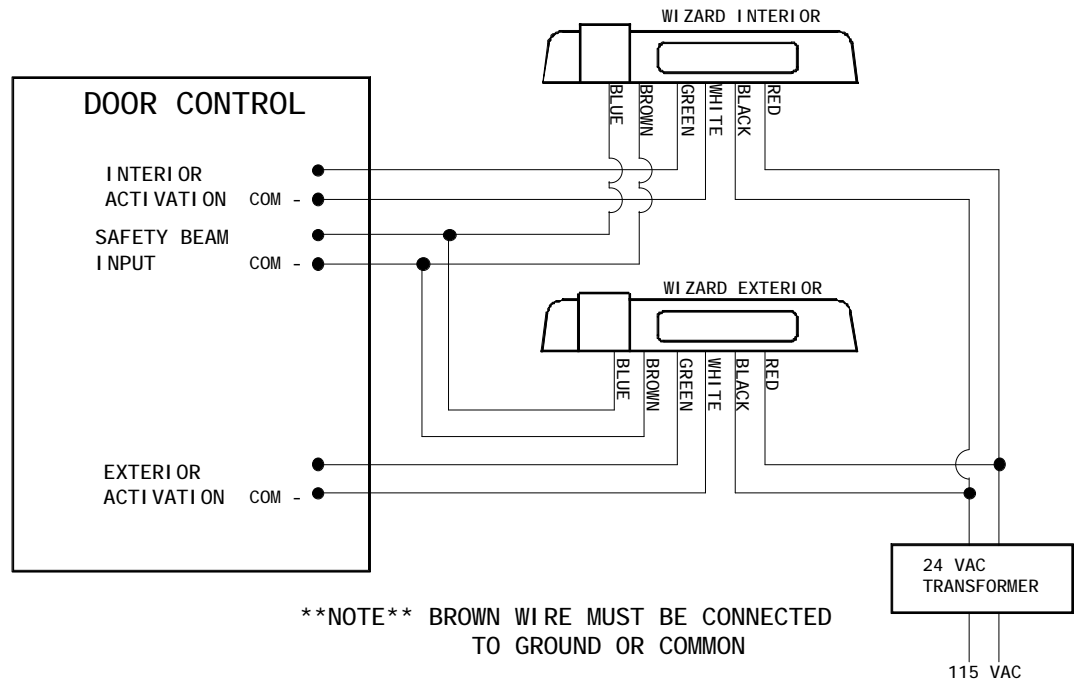


Figure 2

MOTION AND PRESENCE PARALLELED

