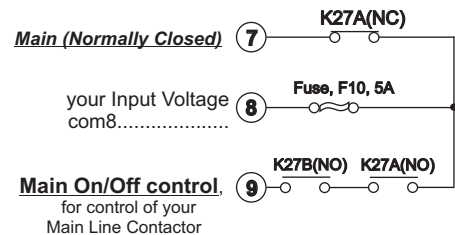
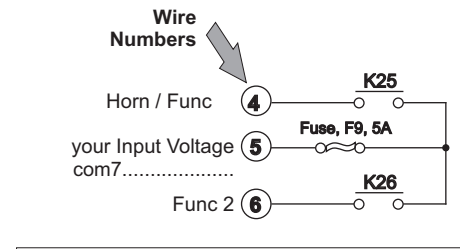
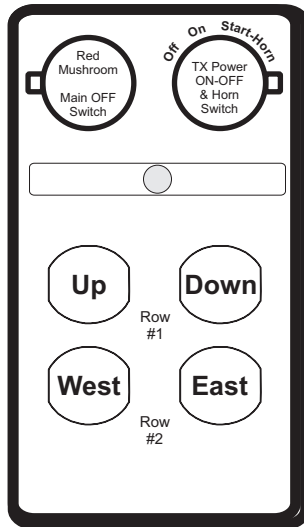
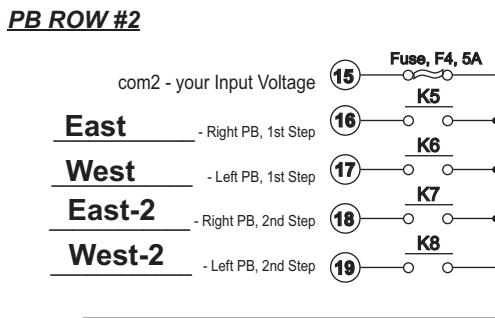
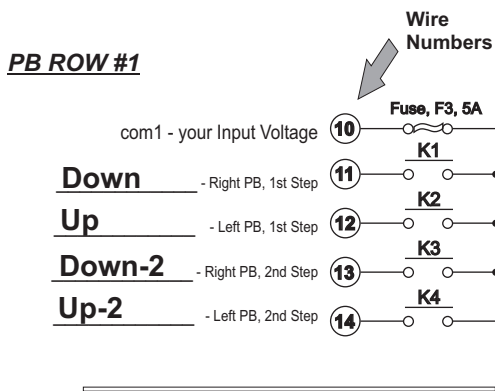
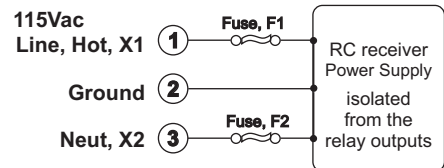


4EX2 System

drawing courtesy of Akostar



Power for the Receiver unit isolated from Relay Outputs



DC power supply note:
if your receiver unit is fitted with 9-36Vdc power Supply, then:
wire #3 = Positive Voltage
wire #1 = Ground/Negative

Fuses for Power Supply
115Vac: 0.5A
24Vac: 1A
(9-36)Vdc: 3A

Important Installation Notes:

- (1) The power supply on wires (1, 2, 3) is electrically Isolated from the Relay Outputs (the RX power and the relay outputs can be different voltages).
- (2) The receiver is provided with a Main relay output for control of your main On/Off circuit - when the transmitter unit KeyCap switch is rotated to the Start position then the Main On/Off output is commanded closed (typically used to energize your main line contactor, or Main on/off safety circuit) and this output Opens when the red mushroom stop switch is pressed down, or when the Transmitter switch is rotated to the Off position.
- (3) The relay outputs are Volt-Free, Dry contacts, each relay is a SPST switch requiring the installer to connect a voltage as the input voltage Feed. Each Group of Relay outputs shown above has a common input for your Control Circuit Voltage, (a feed to the relay). This input-common voltage is separate for each group of relays. The reason for separate commons is to give the installer flexibility to use different control circuit voltages, or use multiple control transformers. The installer provides control voltage to the relay input-common, which is typically the 120V-Line (X1). The relay is your SPST switch - whatever you feed onto the one side of the relay will be what exits that relay when it is commanded closed by the pushbutton. ... if you have only one control transformer, then the control circuit voltage is the same for all functions and in this case the installer should connect all relay input-commons together, of which are wire numbers: 5, 8 and 10, 15
- (4) In most applications, this system will have extra relays and wires not used, any un-used wires should be isolated electrically
- (5) please note there are NC (Normally closed) outputs, and if un-used then they need to be isolated / capped or taped off

Please feel free to call Akostar with any questions on this Radio Remote Control System.

We offer repair services, spare parts, replacement units

Office Hours: 9am-5pm EST

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