

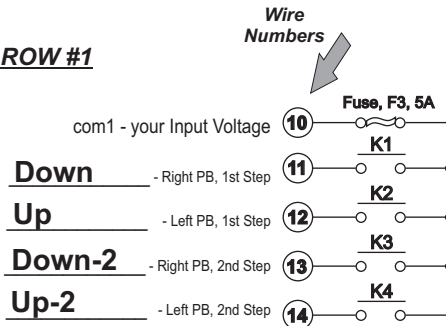
4EX2-AB-PB

4EX2-AB-PB-1RX ... system with one RX receiver unit

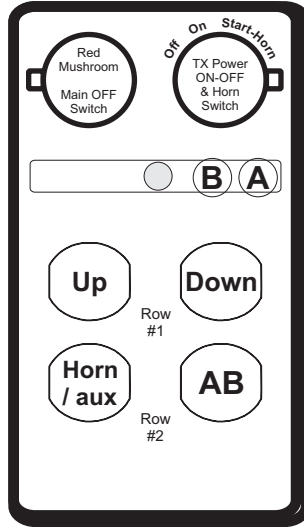
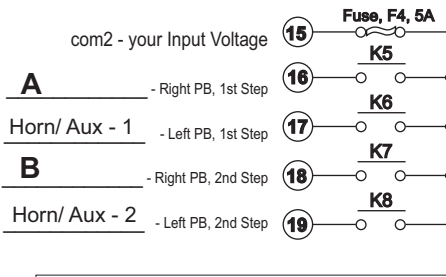
4EX2-AB-PB-2RX ... system with two RX receiver units

drawing courtesy of Akostar

PB ROW #1

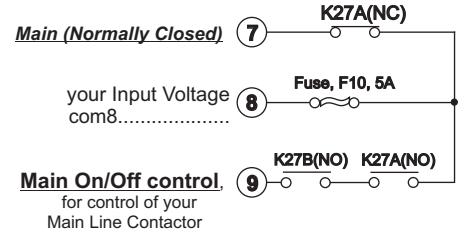
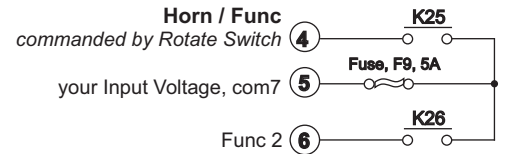


PB ROW #2



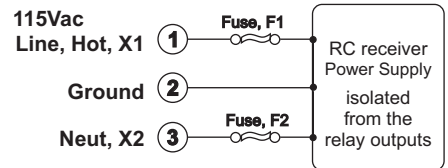
AB Indicator Lights

AB lights illuminate when selected to command the relay(s) closed



Power for the Receiver unit

isolated from Relay Outputs



IMPORTANT NOTE WHEN ORDERING:

At time of order entry, the purchaser has a choice of the power-up AB setting,
the Default setting if not specified is None

with None as the setting, the User will need to select: A or B or Both at every power-up,
we suggest the default to be the most common usage to save the user time daily

Optional Power-Up Default Options include: A, Both, None

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 A-B relays are electrically maintained relays, and can be toggled on/off thereby resulting in having (A or B or Both) relays closed, the installer can wire these two relay outputs to select which circuit to be activated by means of passing the X1 control thru this AB select circuit at wire #15, and then provide the outputs of A or B to the motion relay input common of wire #10
- (2) 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).
- (3) 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.
- (4) 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*
- (5) In most applications, this system will have extra relays and wires not used, any un-used wires should be isolated electrically
- (6) please note there are NC (Normally closed) outputs, and if un-used then they need to be isolated / capped or taped off
- (7) If you do not have a MainLine Contactor to control with relay K27, then we suggest using wire 8 and 9 as a means to control the X1 Hot power being provided to the other relays by connecting wire 8 to X1, and using wire 9 to feed relay 15

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

Phone 724-774-0464 ~ shop with us at akostar.com