

RRFB

Installation Instructions

Pre-Installation Notes

- Calculate height of entire system to determine length of mounting pole required. Minimum height for RRFB light bar is 7' above grade.
- Determine what type of pole that RRFB system will be mounted to. Is a break-away base system required? Break-away systems are available from Solar Traffic Systems.
- "U" Channel posts cannot be used.

Pole Layout

1. Control cabinet mounting to be at top of pole above traffic sign. Cabinet should be mounted on opposite sign of pole from traffic sign and oncoming traffic. Solar Panel (if required) will mount to the top of the control cabinet... not the pole.
2. Calculate height of entire system to determine length of mounting pole required. Minimum height from bottom of RRFB light bar is 7' above grade.
3. Activation Button height is 36" to 41" above grade.
4. Double side systems: Signs and RRFB light bar will mount to pole at same height on both sides of the pole. Mounting hardware quantity for single or double-sided systems is same.

Flash Time Adjustment

(Unless noted or requested all flash times set to 30 seconds)

1. Locate "Flash Adjustment" access point in control cabinet
2. Remove plug
3. Locate rotary dial inside opening
4. Insert small straight edge screwdriver into rotary slot
5. Turn dial to required flash time (see chart below)
6. After new flash time set reinstall plug
7. Repeat all steps above on all signs
8. Test and time each sign for proper flash time

Dial Setting	Flash Time (seconds)
"0"	15
"1"	20
"2"	30
"3"	45
"4"	60
"5"	90
"6"	120
"7"	150
"8"	180
"9 - 15"	240

(OVER)

Installation

1. Drill hole(s), if required, into pole where RRFB unit(s) will be placed to get wire inside of pole.
 2. Determine cabinet location (at top of pole). Drill holes in pole (if required) for RRFB light bar wires and activation wire to get inside cabinet. This hole may need to be larger diameter to allow for all wires to fit through hole.
 3. Drill hole at activation button height (for activation wire).
 4. Install RRFB light bar(s)-with wire up to control cabinet location-with supplied mounting hardware.
 5. Install activation button wire from control cabinet down pole to activation button. Mounting hardware included.
 6. Mount control cabinet with supplied mounting hardware.
 7. Connect RRFB wiring inside of cabinet to the labeled terminal blocks inside cabinet. Crimp wires to terminal connectors (supplied) fastened to terminal blocks.
 8. Connect wire to installation button with (supplied) terminal connectors.
It is recommended to coat this connection heavily with liquid electrical tape (not supplied)
 9. Install battery into cabinet.
 10. Install communications antenna.
 11. Turn key switch to "ON" position.
 12. Attach traffic sign(s).
 13. Press activation button of each unit to check communications. If not communicating... turn both cabinets "Off" and back "On" again.
 14. ***Install solar panel to top of cabinet while key switch is in "ON" position***
Thread tube into top of cabinet and tighten. Connect solar panel to solar wire. Place solar panel onto tubing. Tighten compression fitting at solar panel. Be sure panel is facing South.
Note: Installing solar panel before key is "On" position and battery connected will cause irregular operation. This will require disconnection of both battery and solar and steps #9 – 11 & 14 to be performed again in order.
-

Installation question ... please call 331-318-8513