



PEDESTRIAN CROSSING SYSTEMS

Solar or AC-Powered Flasher Assembly

RTC manufactures a full line of solar and AC-powered pedestrian crossing systems.

These systems can be activated by a variety of push button options or the time of day using RTC's AP22 time switch. Choose from traditional 12" beacons, single or back-to-back RRFBs, or single or back-to-back EdgeLight™ signs to customize your system. RTC is your proven supplier of solar and AC technology and traffic control systems.



Advancing Traffic Safety Since 1987

FEATURES

- Solar and battery sizing engineered to fit your installation site
- Flashing options: traditional 12" beacons, single or back-to-back RRFBs, or single or back-to-back high-visibility EdgeLight™ signs
- APS or standard push-button activation
- Optional AP22 time-switch control for time of day (TOD) operation
- Optional centralized communication using RTC Connect™ software
- 900 MHz communication between beacons
- Standard spun aluminum 4.5" pole and breakaway base with collar
- Multiple advance-warning beacons can be added and activated by one push of a button
- Color options to meet agency specifications
- Pedestrian signs available in yellow or fluorescent yellow-green in standard or EdgeLight™ options
- Up to 6 remote flashers can exist in a pedestrian crossing system; one is typically on the opposite side of the street from the master flasher; others are often located in medians and on other areas along the side of the street
- All flashers in a network are programmed to communicate exclusively with each other, avoiding the possibility of errant radio signals triggering a flasher
- Spread spectrum, frequency-hopping radios prevent outside radio interference
- Pedestrian crosswalk push-buttons are hard-wired to the radio in the cabinet
- Highest-quality Polara™ Bulldog™ push-buttons used for activation
- Compatible with Worry-Free Flasher System / Guardian™ Monitoring, RTC Connect™, AP22 and M2M

COMMUNICATION FLOW



CROSSING REQUEST INITIATED AT THE MASTER FLASHER

- When the pedestrian crosswalk button is pressed on the Master Flasher, the Master Radio transmits a signal (shown in red) to trigger the beacons on the Master Flasher and on all Remote Flashers in the network
- The beacons flash until the end of the pre-set timing master radio timing cycle — timing is field configurable



CROSSING REQUEST INITIATED AT A REMOTE FLASHER

- When the pedestrian crosswalk button is pressed on the Remote Flasher, the Remote Radio transmits a signal (shown in blue) to the Master Flasher; in response, the Master Radio transmits a signal to trigger the beacons on the Master Flasher and on all Remote Flashers in the network to start the flashing cycle on all Remote Flashers in the network
- The beacons flash until the end of the pre-set timing Master Radio timing cycle — timing is field configurable

