

# PEDESTRIAN CROSSING SYSTEM

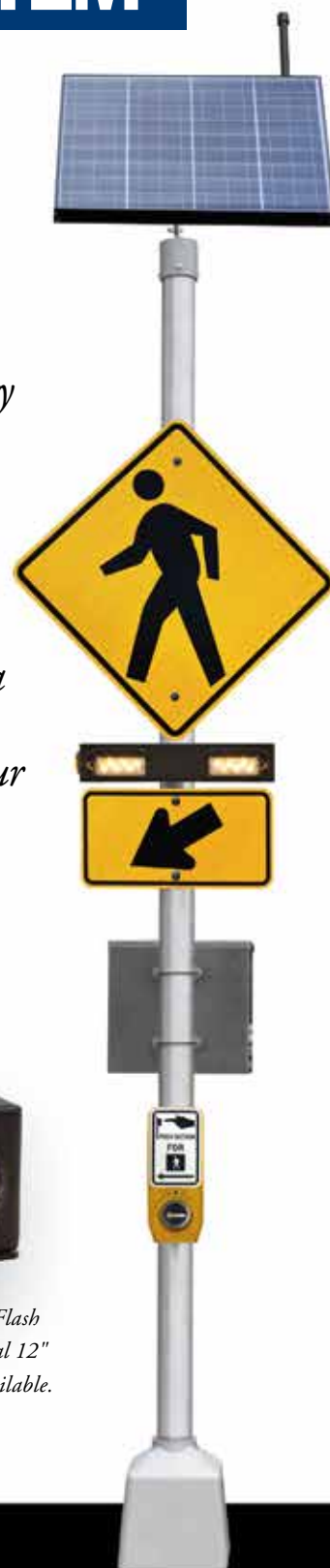
Solar or AC-Powered Flasher Assembly

*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 our MUTCD compliant RRFB or a traditional 12" circular beacon. RTC is your proven supplier of solar and AC technology and traffic control systems.*



*Rectangular Rapid Flash Beacon or traditional 12" circular beacons available.*



*Pedestrian Safety Since 1987*



**RTC**

**RTC Manufacturing, Inc.**

**RTC-Traffic.com** | contact our team at **Info@RTC-Traffic.com** for more information | TOLL-FREE **800.782.8721**

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# PEDESTRIAN CROSSING SYSTEM

## Solar or AC-Powered Flasher Assembly

### FEATURES

- Solar and battery sizing engineered to fit your installation site
- APS or standard push-button activation
- Optional AP22 time-switch control for time of day (TOD) operation
- Optional centralized communication using RTC Connect™ software
- RRFB is MUTCD compliant
- 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
- 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

### 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

