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.
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

1) 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

2) 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