

SafeZone® Remote Programming Guide

DOOR CONTROL MODE:

SafeZone - holds door open as long as movement is detected in the opening.

Infinite Hold Open - door held open constantly (with or without movement being detected).

Detection OFF - standard door closer operation; open and close/no hold open.

Unlock

Lock

NOTE: Every adjustment, when using the infrared remote control, must start with the unlocking function, and end with the locking function.

To UNLOCK the sensor:
Press the UNLOCK key once.

To LOCK the sensor:
Press the LOCK key twice.

Example: Set Safe Zone to hold open 9 seconds after movement is not detected in the opening.

Step 1 - Press unlock ; LED flashes
Step 2 - Press time ; LED flashes quickly
Step 3 - Press 9 ; LED flashes
Step 4 - Press lock ; LED flashes quickly
Step 5 - Press lock again to save setting; LED does not flash

Door Control Mode (F2)

1 = Safe Zone
2 = Infinite Hold Open
3 = Detection Off

Default: 1

Hold Time

The amount of time door will be held open after movement is not detected in the opening. Values range from 0 to 9.

0 = 0.5 sec.
9 = 20 sec

Default: 5 = 10 sec

Immunity

Immunity helps to reduce the chance of unwanted detections due to environmental disturbances.

1 = Reduced
2 = Normal
3 = Increased
4 through 9: enhanced immunity (for highly reflective environment)

Default: 2

Sensitivity

0 = Minimum Sensitivity
9 = Maximum Sensitivity

Default: 8

Detection Mode

Detection mode offers 3 different levels of detection:

1 = Bi-Directional
2 = Uni-Directional
3 = Uni-Directional with motion tracking feature

Default: 1

SafeZone is equipped with a Motion Tracking Feature (MTF). The MTF is available when *SafeZone* is used in the uni-directional mode. *SafeZone* is factory preset with the MTF ON. MTF is recommended for use in short vestibule areas to help reduce unwanted door hold-open time. Refer to the Programming Guide to alter this setting. It is recommended that the MTF be enabled for all applications. The detection capabilities perform as follows:

BI-DIRECTIONAL MODE:

- Detection of all motion towards or away from the sensor.

UNI-DIRECTIONAL MODE:

- The detector will work in a uni-directional mode at all times regardless of traffic patterns - detecting only motion moving toward the sensor.

OR

UNI-DIRECTIONAL MODE WITH MTF: The principle is as follows:

- The detector does NOT activate its relay as long as it detects movement exclusively moving away from the detector. It acts like the classic unidirectional detector.
- As soon as *SafeZone* detects movement toward the sensor, it automatically switches to bi-directional mode.
- *SafeZone* maintains the bi-directional function for approximately 2 seconds following the last detection of motion toward the door.
- At the end of the 2-second time frame, if *SafeZone* does not detect any further motion, it switches back to the unidirectional mode.