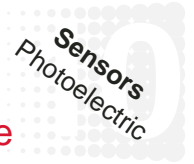


# General information

## B45 Programming

### Programming sensor parameters with OPUS software



#### Tamper protection (parameterization disable)

This feature prevents the sensor's parameters from being accidentally changed. Once the disable has been activated, it can only be removed by resetting the sensor to its default settings. During this resetting sequence, the sensor runs a self-test where it emits a light beam and looks for its return. Therefore, the diffused mode sensor requires that a target be placed in front of it. The retro-reflective sensor requires that a reflector be placed in front of it. The thru-beam sensor requires that the emitter/receiver pair are properly aligned.

In order to reset the sensor:

- Turn power off.
- Depress and hold the push buttons (+/-) simultaneously.
- While holding push buttons down, turn power back on. If the self-test fails, the sensor will respond with a flashing red LED. If the red LED is flashing, switch power on and off again to reset.

#### Pulse frequency

The pulse frequency at which the sensor transmits light can be selected for one of three frequencies (Frequency 1 is the default) to prevent mutual interference between closely spaced sensors.

#### Keypad lock

This function allows the sensor push buttons to be locked. There are three options for this function:

- Off
- Automatic (default)
- Constant

The default setting is Automatic. In this mode, the pushbuttons lock four minutes after the last button is pushed. To unlock, press both pushbuttons (+/-) simultaneously and hold for five seconds. The green LED will flash briefly when the sensor is unlocked.

