Thank you for purchasing this Johnson laser detector! This laser detector locates red beam (635/650nm) rotary lasers and is ideal for outdoor and indoor jobsites, large or small, where it's difficult to see the laser beam with the naked eye.

This detector features simple one-button operation to get you up and running quicky. It has an ultra-bright LED display to indicate grade position and audio alerts to help you locate the laser beam quickly and easily.

This laser detector features:
- Accuracy of 0.06"
- Ultra-bright LED display
- Audio indicator
- 6-minute auto-off timer
- Grade rod clamp
- 45-hour battery life with low-battery indicator
- Dust and rain resistant construction

GETTING STARTED

1. Insert the included AAA batteries. See "INSERTING BATTERIES."
2. Attach the detector to the included clamp (if using a grade rod) or remove the clamp if using the detector on a standalone basis.
3. Press ⏻ to turn on the detector.
4. Operate the detector. See "USING THE DETECTOR."
5. When you are finished using the detector, power it off by pressing ⏻. This detector will also automatically power off after 6 minutes of inactivity (no buttons pressed or laser signals received).

INSERTING BATTERIES

1. Remove the battery cover by depressing gently on the battery door arrow and sliding the cover in the direction indicated by the arrow. Lift the exposed end, and remove the cover.
2. Insert the two included AAA batteries into the housing according to the polarity indicated in the battery housing.
3. Replace the battery cover.
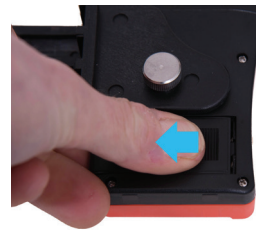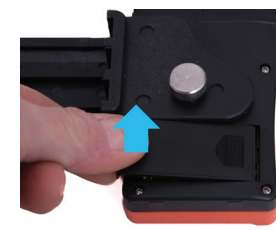
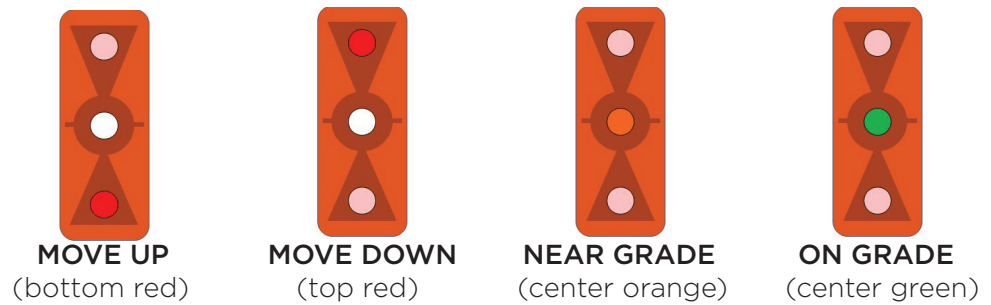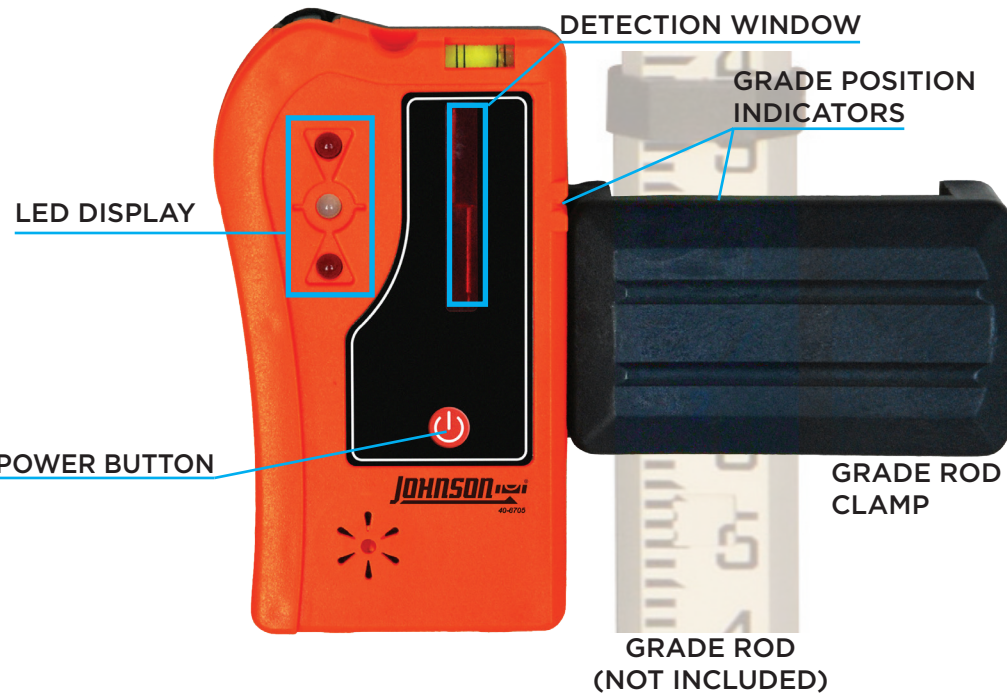**PRESS & SLIDE**   **LIFT**   **REMOVE**

LOW BATTERY INDICATOR

This laser detector is equipped with a low battery indicator to help you diagnose common battery-related issues.

1. At startup, the center LED will flash red/green, and the detector will emit one beep to confirm startup.
2. If the bottom LED flashes red continuously, the batteries are low and will need to be replaced soon.
3. If the detector beeps twice and powers off, the batteries are exhausted beyond use and need to be replaced immediately.
4. If the detector fails to power on, it is likely that the batteries are fully exhausted.
5. To prolong the life of your detector and prevent corrision, it is recommended to remove the batteries if you will not use the detector for a long period of time (approximately three months).

DETECTION WINDOW

GRADE POSITION INDICATORS

LED DISPLAY

POWER BUTTON

JOHNSON®
40-6705

GRADE ROD CLAMP

GRADE ROD (NOT INCLUDED)

MOVE UP
(bottom red)

MOVE DOWN
(top red)

NEAR GRADE
(center orange)

ON GRADE
(center green)

READING THE GRADE POSITION INDICATORS

IF USING A GRADE ROD: The top edge of the grade rod clamp is the grade position indicator. Read grade along this edge (indicated by the blue line in the image below). In this image of a ft/100's (engineer's scale) grade rod, the grade reading would be 0.74'.

0.74'

USING THE DETECTOR

1. Follow the instructions in "GETTING STARTED" to prepare the detector for use.
    TIP: If the rotary laser you are using has multiple rotational speed options, use the highest speed when working with the detector. This will make it easier to locate the laser beam.

2. Position the detector so the detection window is facing the laser and nothing (including your own body) is in between the detector and the laser.
    TIP: Be cautious of laser reflections from windows, trucks and other surfaces that can cause laser reflection and erroneous signals.

3. Move the detector perpendicular to the plane of laser light until you begin to locate the beam. The detector will beep, and the LED's will begin to light.

4. Move the detector in the direction indicated by the LED's in order to locate the laser beam:
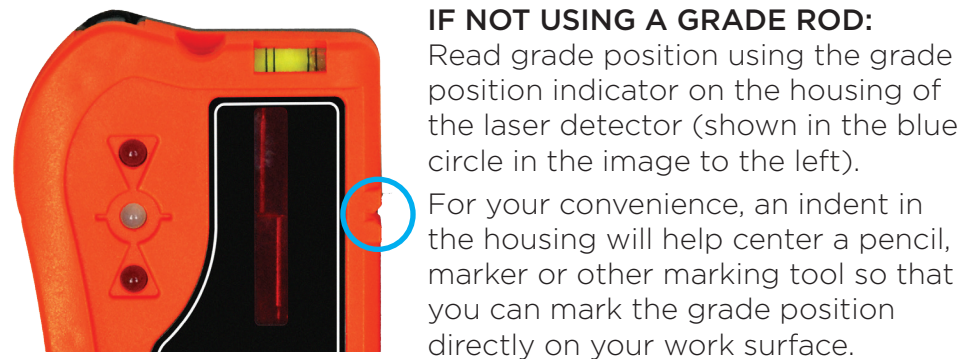
IF NOT USING A GRADE ROD: Read grade position using the grade position indicator on the housing of the laser detector (shown in the blue circle in the image to the left).

For your convenience, an indent in the housing will help center a pencil, marker or other marking tool so that you can mark the grade position directly on your work surface.

LEVEL UP.®