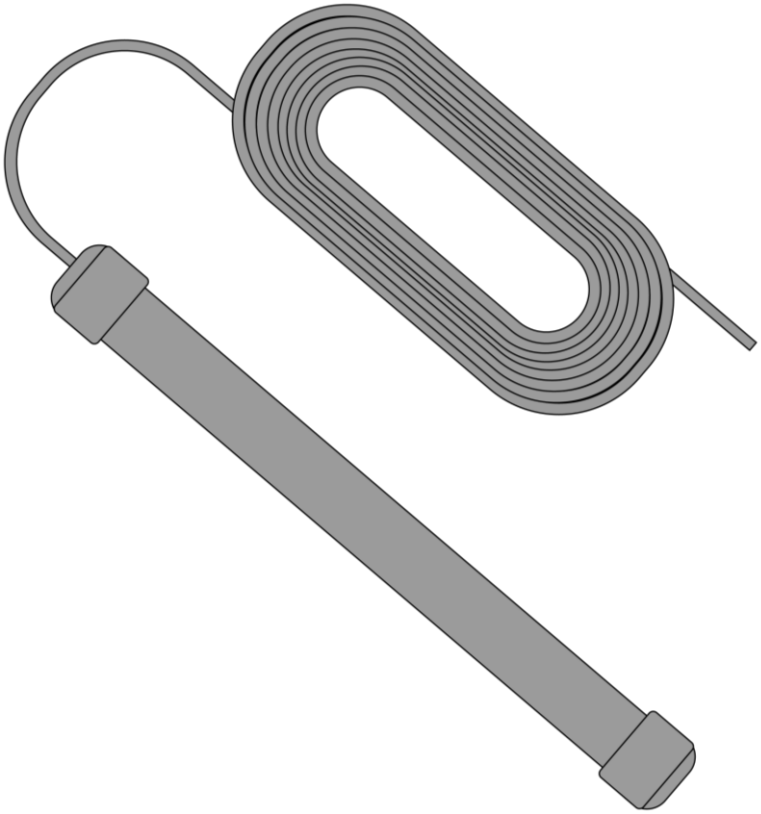
EN

TOPENS®

TEW3

Vehicle Sensor Exit Wand
User Manual



Hands-Free Exit

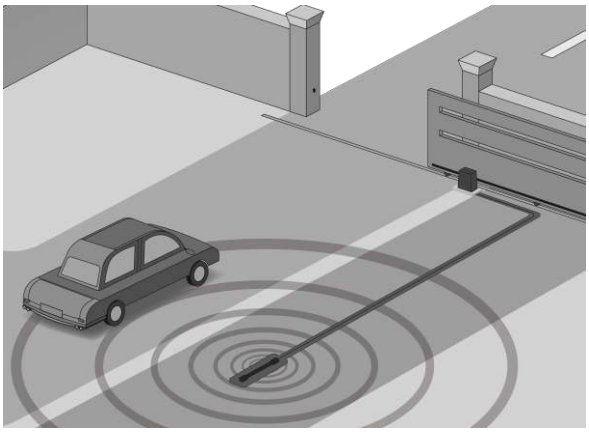
Gate Opens Automatically as Vehicles Approach!

CE

Product Description

The vehicle sensor exit wand is designed to automatically open your gate when it detects vehicles in motion. It triggers your gate opener to open the gate anytime the vehicles drive through the sensor's magnetic field.

Note: *Vehicles with a frame or chassis made of aluminum alloy cannot be detected by the exit wand.*



1 SPECIFICATIONS

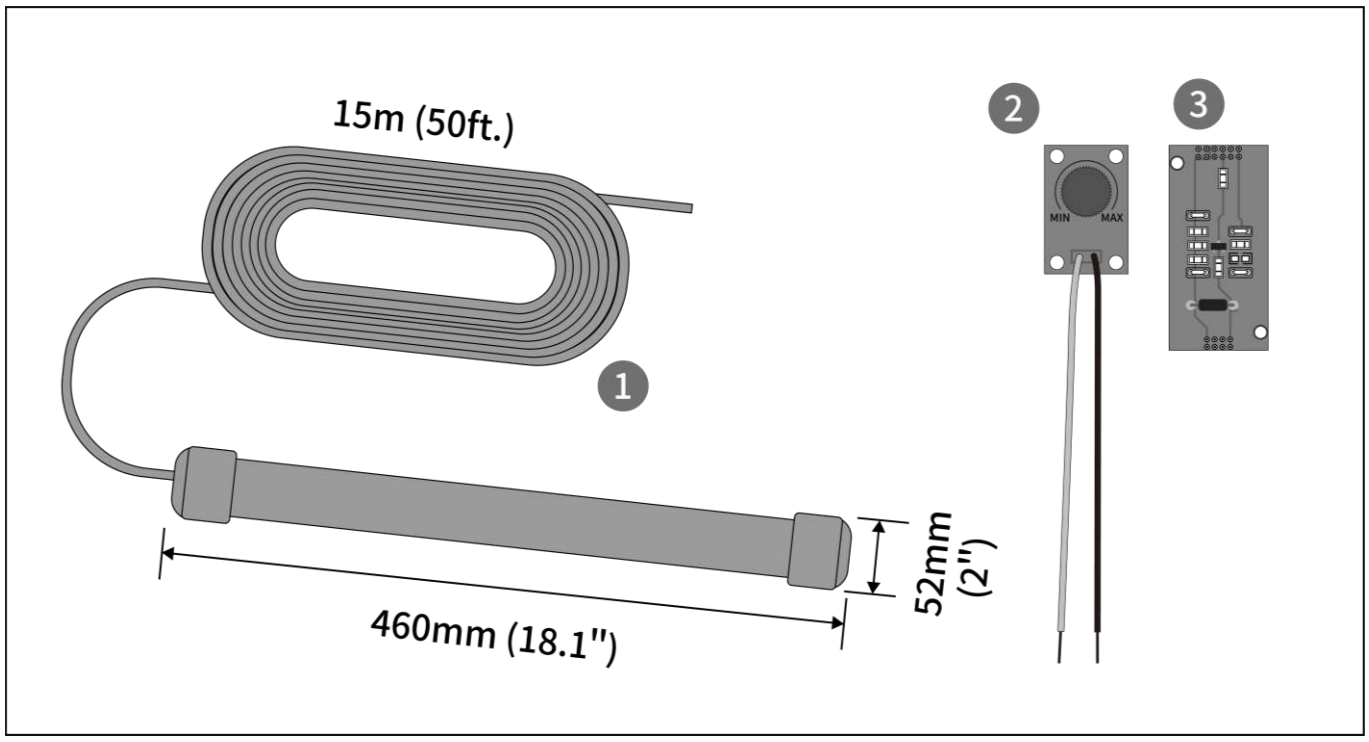
Protection Class: IP67 - Waterproof and Dustproof	**Power Input:** 12-24 VDC or 12-24 VAC
Working Current: 40 Milliampere	**Standby Current:** 35 Milliampere
Working Temperature: 0°F to 120°F (-20°C~+50°C)	
Sense Range: 0.61- 3.66m (2 to 12ft.) Radius of the Wand	

2 PARTS LIST AND DIMENSION

❶ **1 x Wand Sensor with 15 meters (50 feet) 5-Core Cable**

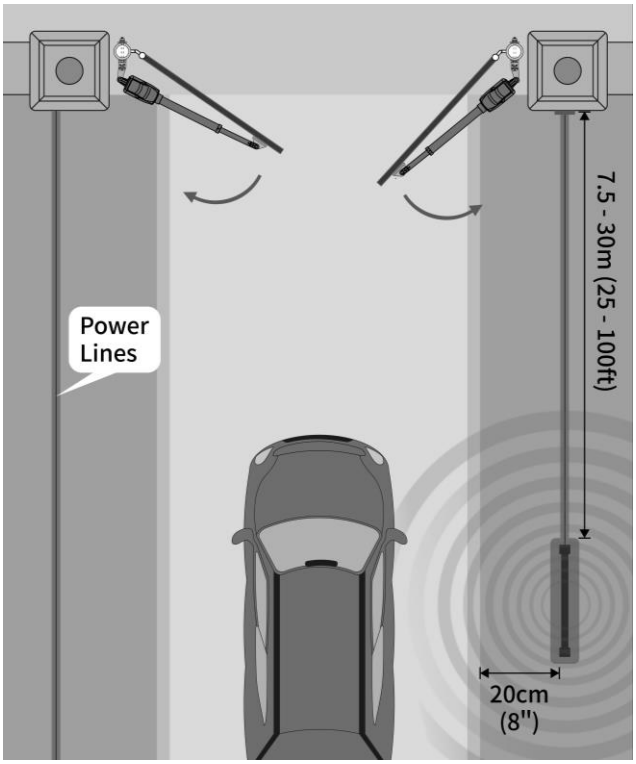
❷ **1 x Range Adjustment Board**

❸ **1 x Adapter Board (Only used with some models of TOPENS gate openers)**



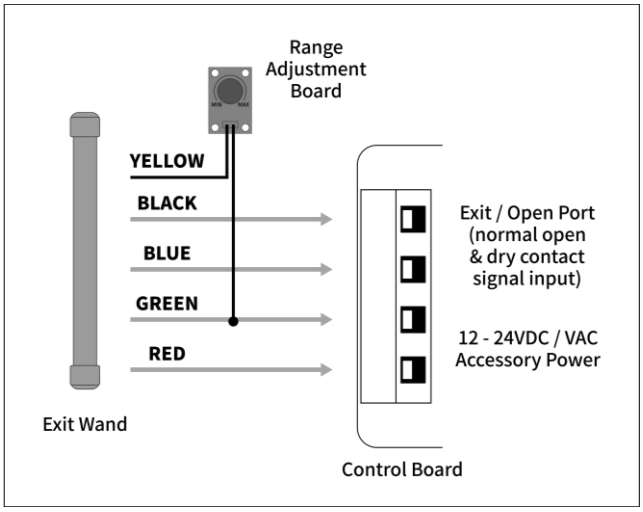
3 IMPORTANT INSTALLATION NOTES

- Install the exit wand 7.5m to 30m (25ft. to 100ft.) away from the gate.
- The wand comes with a 15m (50ft.) cable. If an extension is needed, the extension cable should be at least 5 x 0.75mm² (18 AWG).
- Bury the exit wand 5cm (2") deep from ground and 20cm (8") from the driveway edge.
- Install the exit wand at least 4m (13ft.) away from any power lines. Keep the exit wand' s connection cable at least 30cm (1ft.) away from power lines when the line voltage is below 1000V.
- Avoid to bury the exit wand under a concrete driveway or hard concrete surface.
- It is highly recommended to run the cable in PVC conduit to prevent damage to the cable from lawn mowers, weed eaters and grazing animals.
- If the gate opener is ONLY solar powered, please add more solar panels and upgrade the battery capacity to support the additional power consumption by the wand.



4 WIRE CONNECTION WITH TOPENS GATE OPENER

- Connect the BLACK and BLUE wires to the gate opener terminals that accept single input for gate opening.
- Connect the GREEN and RED wires to the gate opener input terminals for 12-24VDC or 12-24VAC power.
- Connect the GREEN and YELLOW wires to the range adjustment board.
- Refer to the connection diagram in the Installation Manual specific to your gate opener model.



Notes:

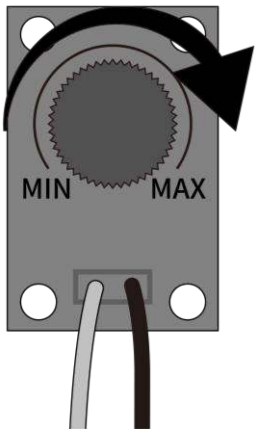
- *Make sure the power is OFF before making any wire connections.*
- *For some of TOPENS gate opener, the exit wand adapter board must be inserted into the gate opener control board before using.*
- *It is strongly recommended to enable the auto close function by referring to the Installation Manual specific to your gate opener model.*

5 COMPATIBILITY WITH OTHER BRANDS GATE OPENER

- Compatible with other brands gate or door opener whose control board accepts "Normal Open and Dry Contact" signal.
- The exit wand can be powered by the control board of the gate opener or by the external 12-24VDC or 12-24VAC power source.

6 TEST THE GATE OPENER SYSTEM

- Make sure there is no vehicle or any other metal object near the wand.
- Ensure the gate is in the closed position, then turn on the power to the gate opener.
- Drive your vehicle past the exit wand at normal driveway speed, the gate should open each time. If it does not, check the wire connections first. If all connections are correct, increase the sensitivity by turning the range adjustment board clockwise.
- Once the sensor is functioning properly, turn off the power to the gate opener.
- Fill the holes and trench with soil, then tamp firmly.



Notes:

- *The exit wand detects moving metal objects within a radius of 0.61–3.66 m (2–12ft.) from the wand.*
- *The sensor detects vehicles such as cars, trucks, motorcycles, and ATVs. Larger vehicles or higher driving speeds will increase detection sensitivity.*
- *Turn the range adjustment board clockwise to increase sensitivity, turn it counterclockwise to decrease sensitivity.*
- *The wand may activate unintentionally in the presence of a strong magnetic field or nearby metal objects such as lawn mowers, tools, coins, or other metallic items if the sensitivity is set too high.*
- *If the sensitivity remains too high even when the adjustment board is set to MIN, disconnect the range adjustment board.*

Feedback & Review

Your comments and suggestions are important to us as they help us provide the best possible service. Should you have any need to contact us, the info below will help you get in touch:

TOPENS Website

www.topens.com

Contact Us:

E-mail: support@topens.com

Kindly include your purchase channel, order #, gate information, issue description and your contact information. All your concerns will be replied within 24 hours.

Tel: +1 (888) 750 9899 (Toll Free USA & Canada)