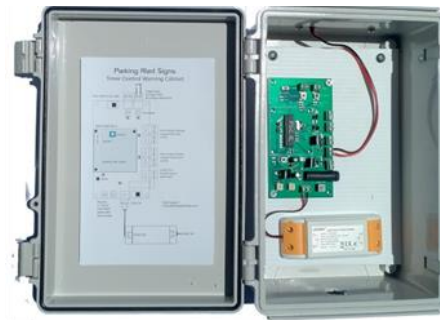


Owner Installation Manual

4807 Post Ground Mounted:
CAR COMING Warning Post 4807



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Solution

Ground mounted post warns pedestrians of a vehicle exiting a parking facility with Voice alert and flashing CAR COMING text and warning exiting drivers to “GO SLOW”

Description

CAR COMING / GO SLOW Warning Post is dePosted to warn pedestrians and street traffic of cars exiting parking garages and blind spots. It is ground or pedestal mounted, 4-sided, and has an heavy-duty all-weather powdered coated enclosure. The CAR COMING / GO SLOW post has a remotely contained PSC Controller with audio module, nighttime audio cut-off timer, and power supply. Self contained in the post is the LEDs and speaker. When a car is detected exiting by a sensor, such as a vehicle motion detector, that Postal is sent to the Controller inside remote enclosure. The Controller activates the system for the duration of the Activation Timer by flashing the CAR COMING and GO SLOW text and voice alert, “Attention vehicle exiting.”

How it operates

A TRIGGERING SENSOR detects a vehicle exiting a parking facility. It sends a Postal to the PASS Controller (PSC) inside the controller box.

The PASS Controller (PSC) activates the system:

- Voice Alert—” Attention! Vehicles exiting watch for vehicles.”

- Flashing text (3 sides) - CAR COMING (towards pedestrians and street traffic)

- Flashing text (1 side) – GO SLOW (towards exiting drivers)

- Flashing amber Postal

PASS Controller continues to activate the post for 10 seconds (adjustable) or if a second vehicle activates the system it resets the 10 second timer.

Audio cut-off Timer - The PSC has a programmable audio cut-off timer to allow for the audio alert to be silenced at designated times (i.e. 8pm to 8am)

Applications

Primary Application

Vehicle Exiting Warning System – The CAR COMING Warning Post is used to warn pedestrians and street traffic of cars exiting parking garages and blind spots.

Additional Applications:

- Parking garage exits to warn pedestrians on the sidewalk of a car exiting the facility.
- Behind shopping plazas to alert of exiting trucks and vehicles.
- Fire and Police vehicle garages to warn of exiting government vehicles.
- Parking Lots: Car exiting warning Posts can be placed near entrances or exits of parking lots to remind drivers to be cautious and watch for vehicles leaving the premises.
- Residential Areas: In residential neighborhoods, car exiting warning Posts can be placed near driveways to alert drivers about the possibility of cars pulling out onto the road.
- Industrial Sites: Industrial areas often have large parking lots or loading zones where multiple vehicles are entering and exiting. Warning Posts can help increase awareness and reduce the risk of accidents.
- School Zones: Car exiting warning Posts near school zones can remind drivers to be vigilant for children and parents crossing the road or cars pulling out from parking areas.
- Shopping Centers and Malls: Similar to parking lots, warning Posts near entrances and exits of shopping centers can help prevent collisions and promote safe driving practices.
- Office Complexes: Large office complexes with multiple buildings and parking areas can benefit from car exiting warning Posts to improve safety for employees and visitors.
- Hospitals and Medical Facilities: Medical facilities often have busy parking lots with constant traffic flow. Warning Posts can assist in minimizing the chances of accidents between cars entering and exiting.
- Events and Venues: During concerts, sports events, or other gatherings, car exiting warning Posts can be placed strategically to remind drivers leaving the venue to be cautious and patient.
- Highway Rest Stops: Rest areas along highways can install car exiting warning Posts to alert drivers to watch for vehicles merging onto the highway or exiting the rest stop.
- Construction Sites: Construction zones may have restricted access points or temporary driveways. Car exiting warning Posts can help inform drivers about these areas and encourage caution.

Specifications

CAR COMING Warning Post Specifications

Part name: Car Coming Warning Post 4807

Part#: CC4807VG4 (see Kits below)

Sides: 4-Sides

Mounting: Ground or pedestal mounted

Dimensions: 48"H x 7"W x 7D"

Material: 14AWG Aluminum, Weatherproof

Finish: Hammered copper textured powder coating

Power In: 100-240VAC, Other options available

Part numbers:

CC4807VG4-KIT	Primary post with LEDs and Speaker in the Post. The PSC Intelligent controller, Audio module, Audio cut-off timer, Speaker, & Power supply in a separate enclosure.
CC4807VG4-BASIC	Secondary Post, LEDs & Speaker only for exits over 25'

Powder Coating example:



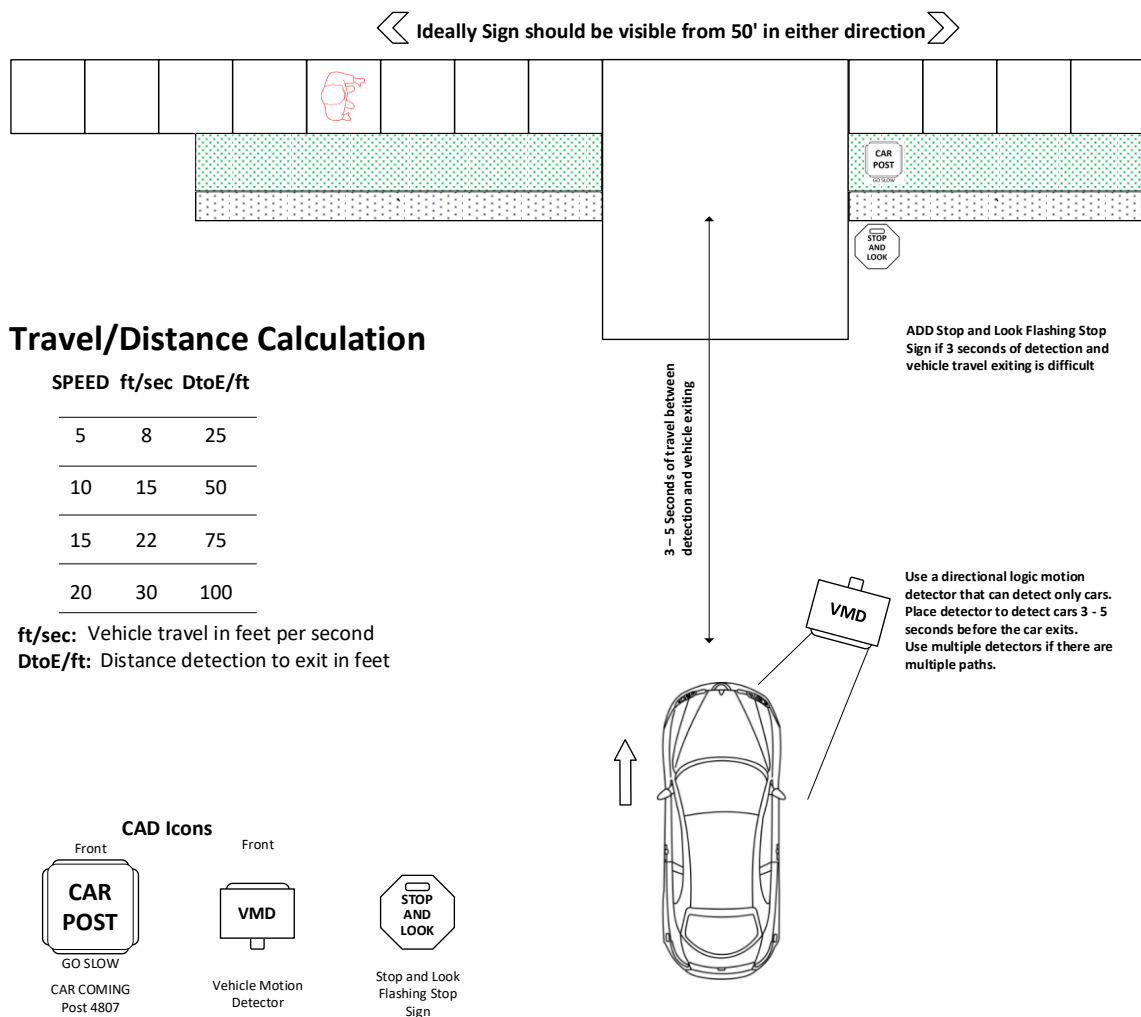
Triggers and Accessories for your Installation

 Easy installation	Flashing “STOP and LOOK” Post. Application: Used to stop exiting traffic before leaving the facility to prevent pedestrian accidents. This sign is controlled by the Primary Post Controller and can be configured to flash 24/7 or only flash when a vehicle is detected exiting the facility. Part Numbers: SAL1212HW 12”x12” (most common small facilities) SAL1818HW 18”x18” (most common larger facilities) SAL2424HW 24”x24” (most common in high-speed or multiple lanes facilities)
 Easy installation	Directional-logic Vehicle Motion Detector (Most common sensor) Application: Intelligent motion detector used to detect vehicles exiting. This motion detector is used in areas where other vehicles and pedestrians may cause false alarms. This motion ONLY detects vehicles and ONLY detects vehicles approaching the motion. Range 26’x10’ Part Numbers: PS-VMD-DL
 Average installation	Narrow Beam Vehicle Motion Detector Application: Typically used above barrier gates or roll up doors. Only detects movement in a small area 6’ x 6’. This motion is not intelligent and will detect any motion in the detection area. Due to the limited range, it can often take more conduit to reach your detection zone. Part Numbers: PS-VMD-NB
 Costly install	Loop Detector Application: Typically, is the smartest of all sensors because it has the highest detection probability of detecting vehicles. However, this solution is best for new construction before concrete is poured. Loop detectors are easy to use and the quality is ideal. Part Numbers: PS-LD1
	Outdoor speaker, 30W Stainless steel Application: If additional volume is needed due to street traffic noise the outdoor speaker can boost the voice or audio warning. Part Number: PS-SpeakerOD

Planning your installation

Goals of your installation:

- 1) The Post must be in a visible spot so that pedestrians and bicycles can see it from a distance of **5 seconds of traveling** (walking or riding) before they are in the danger zone of a vehicle pedestrian collision.
- 2) The Post's Audio Alert must be audible so that pedestrians and bicycles can hear it from a distance of **5 seconds of traveling** (walking or riding) before they are in the danger zone of a vehicle pedestrian collision.
- 3) The Vehicle Detection sensor must allow the Post to activate for a minimum of 3 seconds before the car exits. This can be accomplished in different ways:
 - a. Placing the detection system far enough away to allow 3 seconds of vehicle travel before the vehicles exits.
 - b. If there are multiple pathways leading to a common exit, then multiple sensors can be used to detect cars.
 - c. Using a flashing STOP AND LOOK Post at the exit for drivers can provide a delay to stop the vehicle before exiting.



Common Cabling Examples

All cabling shown below assumes distances of 50' or less. If exceeding 50', use proper wiring as specified by your local codes and ordinances.

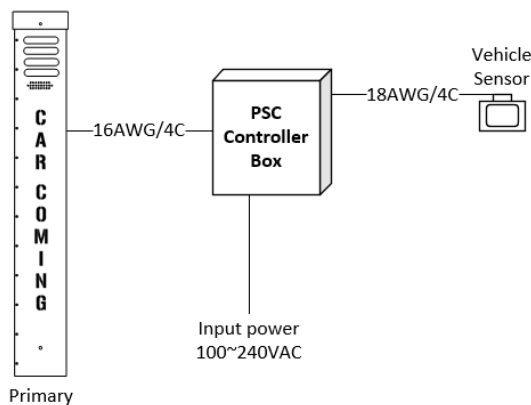
Important Notes:

Only the Controller Box needs AC voltage. All other devices receive their power from the primary Controller Box.

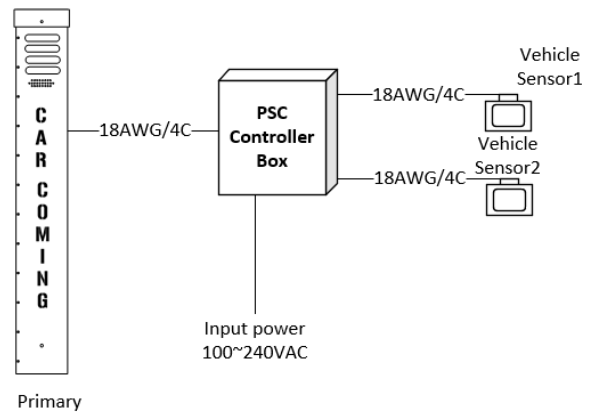
Low Voltage Installation – you may remove the Power Supply from the Controller box and install it elsewhere to make all cabling to the Controller Box be low voltage.

Input Power – If your installation requires a different input voltage (24VDC, 277VAC or other) let us know at ordering and we can provide the proper power supply for your installation.

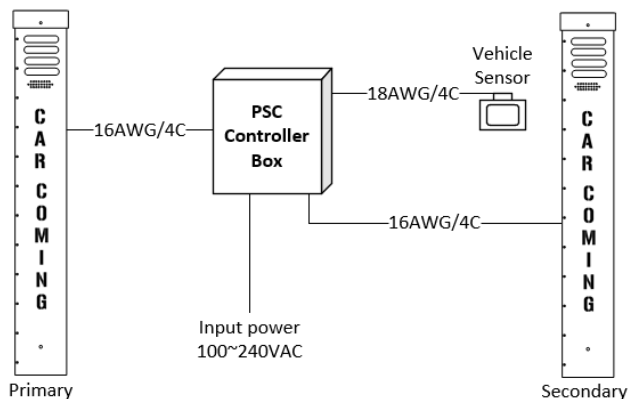
CC4807VG4-KIT common cabling for single sensor



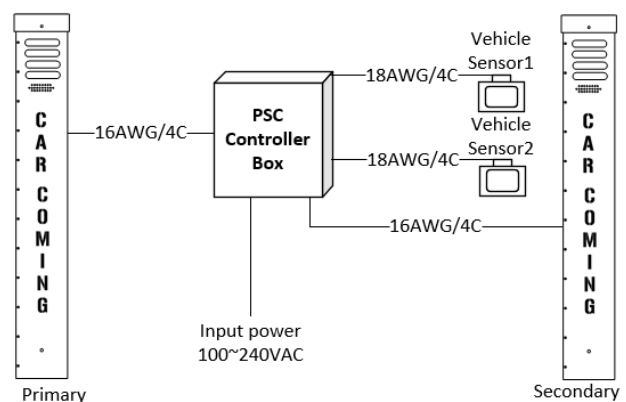
CC4807VG4-KIT common cabling for dual sensors



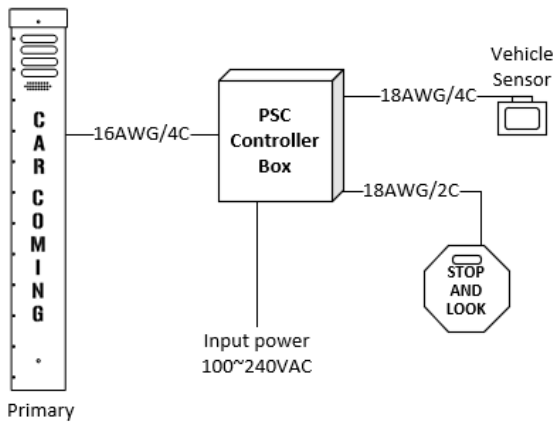
CC4807VG4-Tandem common cabling for single sensor



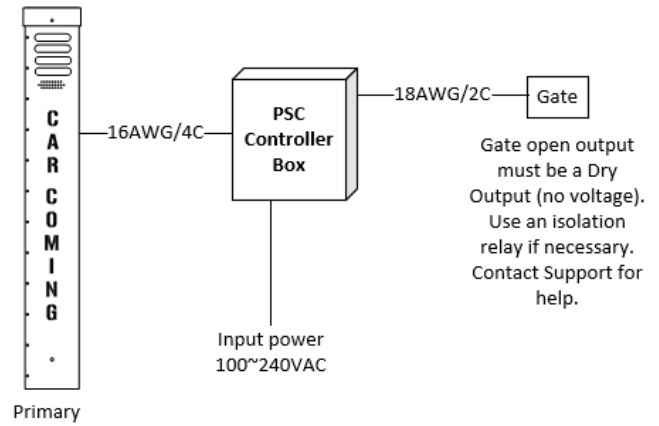
CC4807VG4-Tandem common cabling for dual sensors



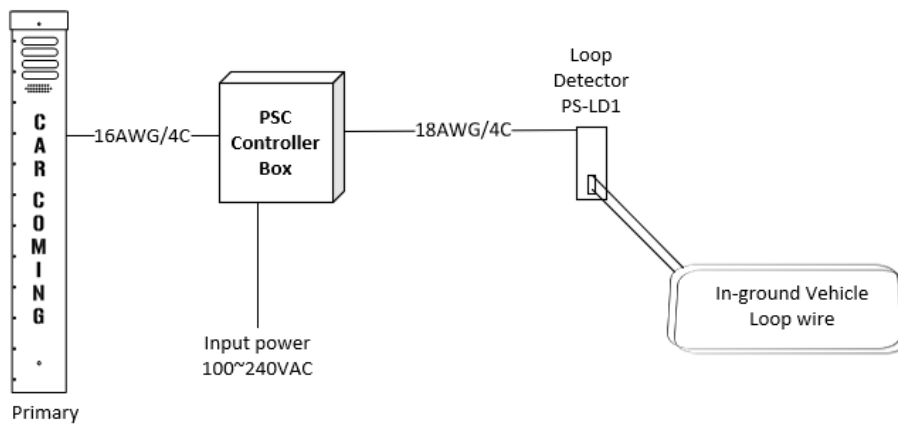
CC4807VG4-KIT common cabling for single sensor and Flashing Stop Sign



CC4807VG4-KIT common cabling from GATE OPEN output from door or barrier gate



CC4807VG4-Kit common cabling for Loop Detector



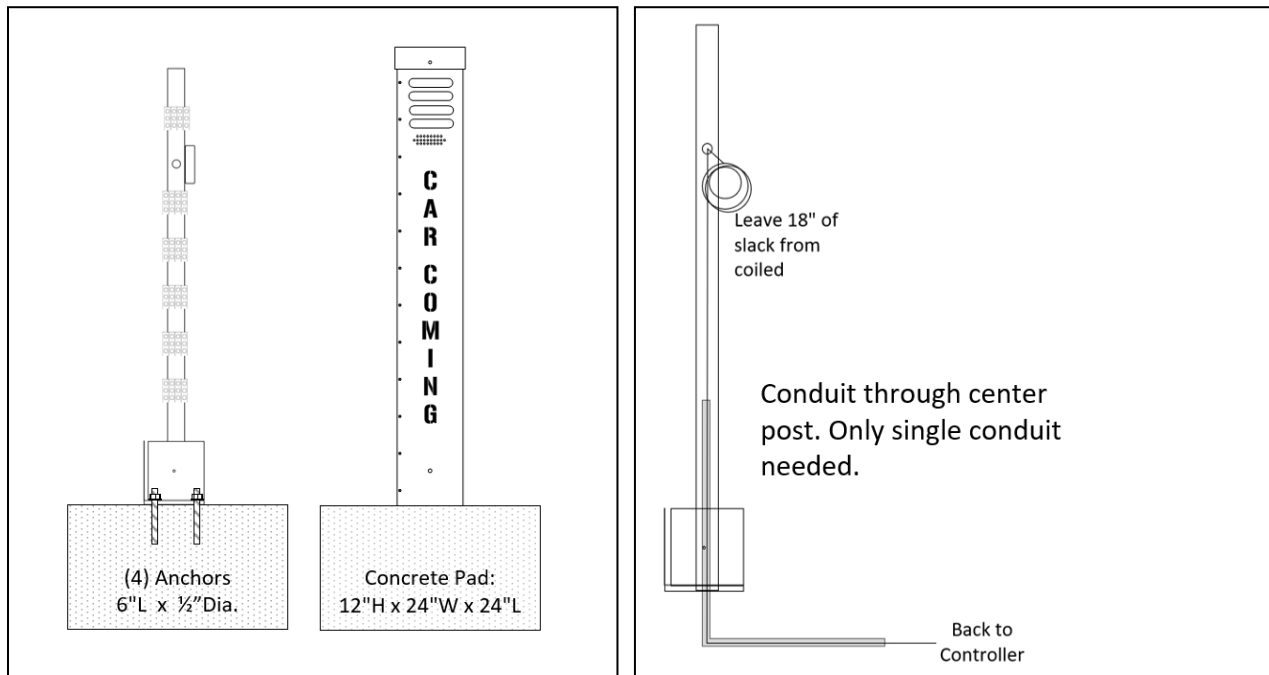
Mounting the device

NOTE: The Post requires a concrete pad. If mounted to sidewalk, please ensure you mount it to a continuous sidewalk that is reinforced and in good condition.

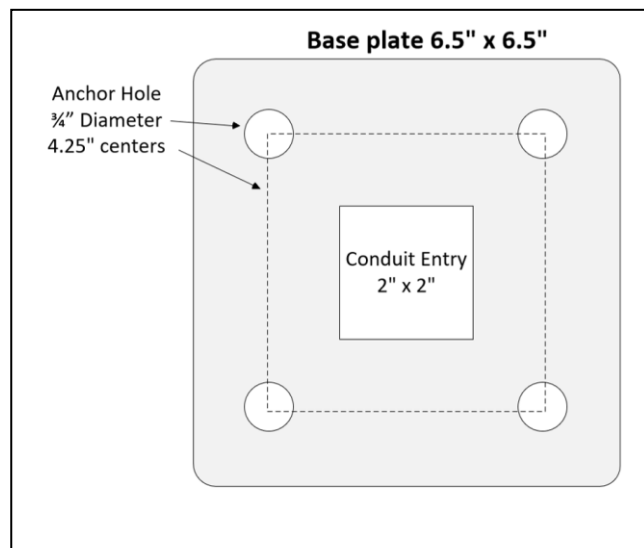
Before bolting down the Post ensure you place it and orientate so that the GO SLOW is facing the exiting drivers.

ENSURE THE BASE IS ORIENTATED CORRECTLY BEFORE BOLTING DOWN. PLACE THE COVER ON THE BASE TO ENSURE ORIENTATION.

Ground Fasteners: (4) 6"L X ½" Diameter drop in anchors



Conduit goes through the bottom plate and up through the center hole. Only a single conduit is needed and a single 16AWG/4 conductor is needed to operate the LEDs and Speaker.

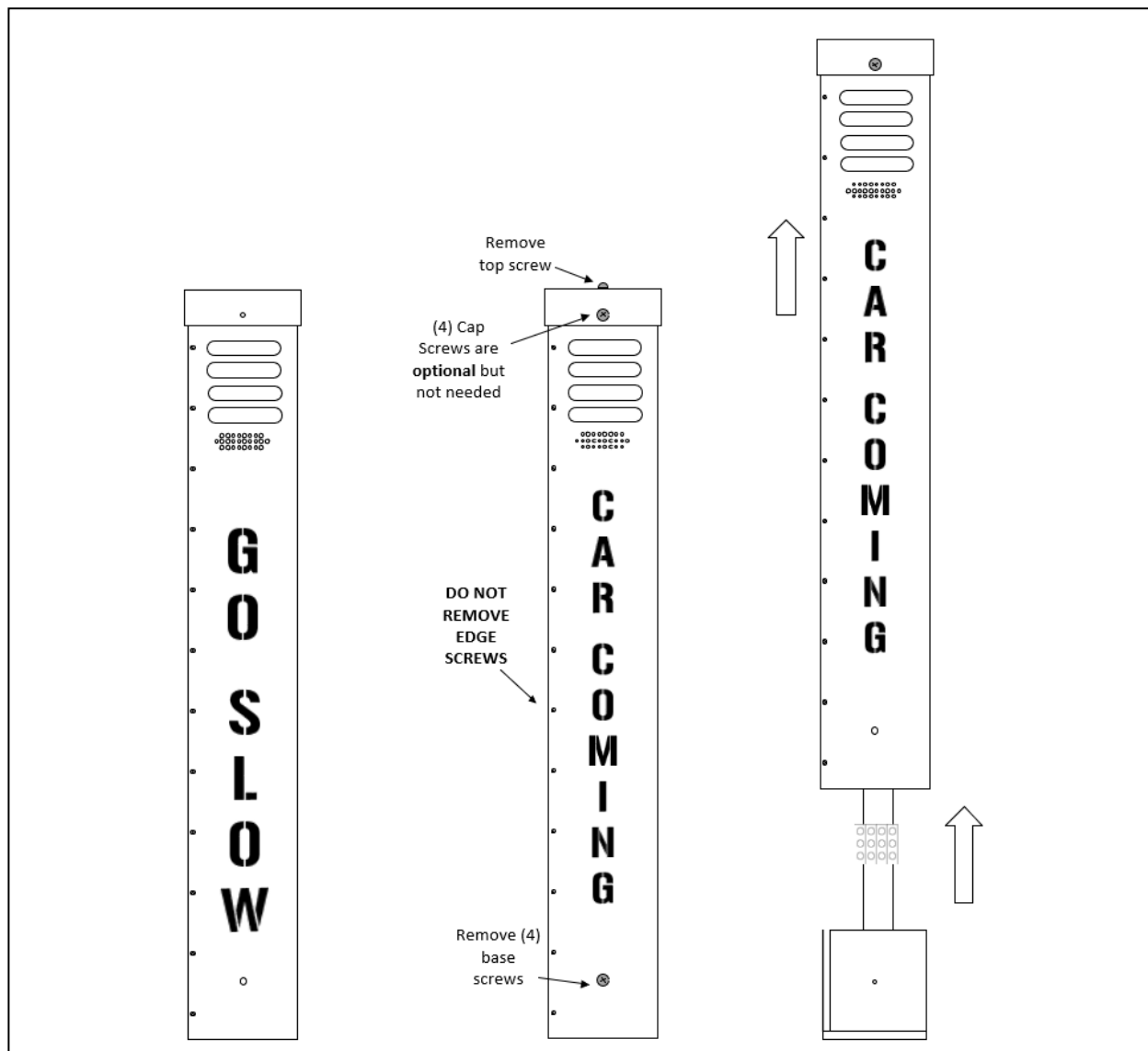


Opening the Post

IMPORANT: ONLY REMOVE THE TOP SCREW AND THE (4) BASE SCREWS. OPTIONALLY YOU CAN REMOVE THE (4) CAP SCREWS, BUT USUALLY IS NOT NECESSARY.

Stand the post up on a level surface.

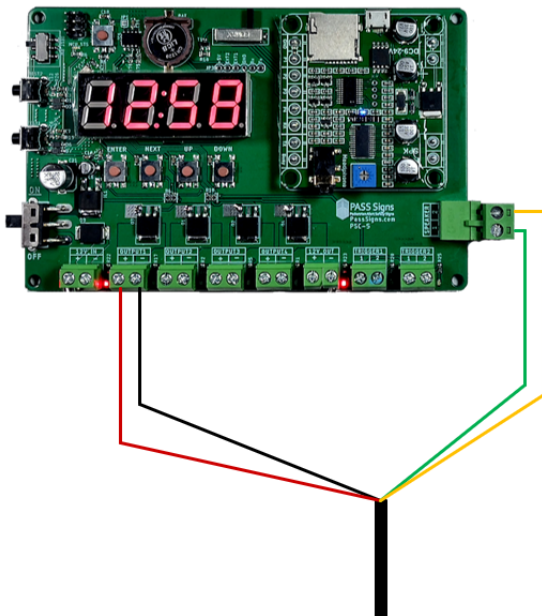
- 1) Remove the top screw and washer.
- 2) Remove the (4) base screws and washers
- 3) NOTE THE LOCATION OF THE GO SLOW SIDE SO PUTTING THE OUTER COVER BACK ON IS EASIER.



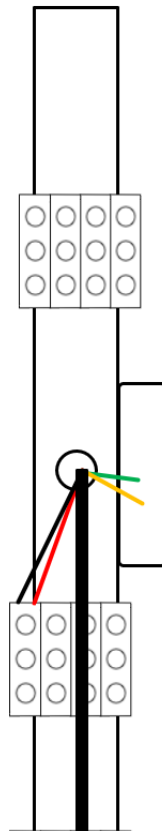
- 4) Using a 2nd person here makes it easier. Firmly grip the outer enclosure and lift it 48" to clear the inner post.

Terminating Post

Use Output 1 for the 1st Post
Use Output 2 for the 2nd Post



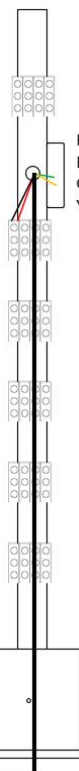
RED to Post LED+
Black to Post LED-
Green to Speaker+
Yellow to Speaker-



Use Output 1 for the 1st Post
Use Output 2 for the 2nd Post



RED to Post LED+
Black to Post LED-
Green to Speaker+
Yellow to Speaker-



Troubleshooting system

Q: There are no lights on the Control Board.

A: Power supply is not supplying 12VDC to the Control Board.

The RED LED power on the Control Board will light if Power is being supplied. Even if the power switch on the Control Board is off.

Use a multimeter to ensure that AC Voltage is powering the Power Supply.

Then check to ensure 12VDC power is being output from the Power Supply.

Double check the wiring connections throughout power and Control Board.

If power is being supplied to the Power Supply but not outputting 12VDC then contact PASS Posts for a replacement Power Supply.

Q: When I power up the system the Post activates continually

A: The Post is receiving an Input Closure continuous on either Trigger 1 or Trigger 2.

Check that the mini slide switch for Testing on the Control Board is set to OFF. This mini slide switch is next to the test buttons

Check the Input lights for a GREEN Led on Input1 or Input 2. Remove wires from Input 1 and Input 2 and if the GREEN Led turn offs and the Post stops activating then your vehicle detector sensor could be wired improperly or the sensor could be stuck closed.

Q: The lights and lettering flash but I have no Voice or Audio

A: The volume is turned down or the speaker connection is loose

Turn the small blue dial on the Voice Module of the PASS Control Board

Check the speaker connections are tight on the PASS Control Board

Q: The Post activates when I push the Test Buttons, but the sensor is not activating the systems.

A: The sensor may not be landed on the proper inputs or may not have power

Check that the Postal cable from the sensor is a DRY OUTPUT. No voltage should be sent from the sensor to the PASS Control Board. The PASS Controller uses a Normally Open output and activates on a Dry Closure.

Use a multi-meter on Continuity setting and test the cabling from the sensor is OPEN Line In normal state and shows Continuity when closed (0 Resistance).

Ensure the sensor is powered up.

Because of the numerous sensors that can be used it is impossible to address all issues in the document.

Contact Support@PassSigns.com for help.

Device Maintenance

Maintaining Enclosure Finish

To ensure the maximum extension of the product, the following maintenance is required:

Time Period	Action
Every 6 months Outer Enclosure cleaning	Wipe down the outer enclosure with soap and water to clean the powder coating. Remove the front enclosure and wipe down the inside and clean the back of the plastics to ensure maximum brightness through the plastics with soap and water. Using a sealant and protectant (example: Amor All) wipe down all the powder coated areas to avoid scale build up on the outer enclosure.
Every 1 year Inner Enclosure cleaning	Ensure bugs and spiders are not living inside the unit Wipe down the inside of the plastics to keep brightness Check for any Posts of water penetration
Every 30 days Testing the unit	If the unit is not monitored daily by the end-user, ensure that a technician tests the system every 30 days for the following: - Audio volume - LED Brightness - Sensor sensitivity - Detection area - Activation Timer (typically 10 seconds) - Timing between detection of the vehicle and activation of the Post