Section 00000
PEDESTRIAN ALERT SYSTEM FOR PARKING GARAGES AND BLIND CORNERS

CAR COMING PEDESTRIAN ALERT SAFETY SIGN

PART 1 – GENERAL

The intent of this document is to specify the minimum criteria for the design, supply, installation, and commissioning of a Pedestrian Alert Safety System used to notify pedestrians and street traffic of a vehicle exiting a parking facility or blind corner.

1.01 SUMMARY

A CAR COMING Pedestrian Alert Safety System is designed to provide a clear visual and audible voice alert to pedestrian and street traffic when a vehicle is exiting a parking facility or blind corner. The alert system shall be self-contained with all controls of the system contained within the enclosure of the sign. The alert system shall be designed with aesthetics of the architecture of the facility in mind, and not to detract from the facility.

1.02 SYSTEM DESCRIPTION

The CAR COMING Pedestrian Alert Safety System activates when a vehicle is detected exiting a parking facility. When activated the alert system provides a flashing amber alert, brightly backlit text indicating a “CAR COMING”, and a voice alert notifying nearby pedestrians.

PART 2 – PRODUCTS

2.01 MANUFACTURED UNITS

A. Model Number/Descriptions Table

Pedestrian Alert System	
PASSCC	CAR COMING, Pedestrian Alert Safety System with integrated PASS Controller Board. Mfg PASS Signs

2.02 TECHNICAL OVERVIEW

The CAR COMING Pedestrian Alert Safety System activates when a vehicle is detected exiting a parking facility. When activated the alert system provides a flashing amber alert, brightly backlit text indicating a “CAR COMING”, and a voice alert notifying nearby pedestrians.

SYSTEM ACTIVATION TRIGGERS
The system can be activated by any detection device that has a normally open output contact that closes upon detection of the vehicle. Multiple devices, such as parking barriers or vehicle loop detectors, connected in parallel can be linked together to provide activation of the sign if any

device detects a vehicle movement.

TYPICAL SYSTEM ACTIVATION TRIGGERS
The following is a list of typical system activation triggers

- Parking barrier "Gate Open" output
- Parking barrier safety loop activated output
- Vehicle loop detector
- Vehicle motion detector
- Roll-up door "Open" contact
- Sliding/swing gate "Open" contact
- Beam detector activation output
- Cash drawer open/close contact

VISUAL ALERTS
The sign has two visual alerts to draw the attention of pedestrians and street traffic warning of a vehicle exiting a facility.
Flashing Amber LEDs – a conspicuous visual alert that provides a warning to drivers and pedestrians
Backlit Text Message – the LED backlit text provides a clear message warning of a CAR COMING out of the facility. The backlit text message can optionally flash synchronized with the Flashing Amber LED by moving the wires from Output 1 to Output 2

AUDIBLE ALERT
The audible alert is designed to provide either a clear voice message or sound file alerting nearby pedestrians who are distracted from the visual alerts, this is typical of pedestrians walking and using a mobile device. The audible alert has the ability to play any MP3 file. The file is stored on an onboard removable micro SD card that provides technicians and end users an easy path to modifying the file. The audible alert volume can be controlled by an onboard volume control dial. The system has an onboard sound amplifier and an integrated 30watt speaker is located at the bottom of the sign. The integrated controller provides an external speaker output to add additional speakers to the system if the ambient noise around the system is louder than 65db.

TIMER CONTROLS
The controller integrated into the system contains two timers for customization.
Activation Timer – this timer is used to control the duration of activation of the system. The timer is controlled by a dial that allows a 5 ~ 60 second activation of the sign.
Delay Activation Timer – this timer is used to provide a delay between trigger input and activation of the system. This timer is typically used when a vehicle has a longer than normal distance to travel from the trigger to the exit

2.03 FEATURES

The following features are required in the Pedestrian Alert Safety System

- Visual alert can be viewed 180°, from both sides and from the front of the sign.
- A flashing amber alert providing a visual warning
- A brightly backlit message indicating that a "CAR COMING" or "VEHICLE EXITING"

- All lighting is LED weatherproof modules provide 50,000+ hours of service
- A clear voice alert message indicating that “Attention. Vehicle Exiting.”
- An integrated adjustable play activation timer from 5-60 seconds
- An integrated delay activation timer from 0-30 seconds
- An integrated speaker providing up to 65db
- An integrated volume control
- Sound files are can easily be changed by technician or end user
- Sound files are MP3 format stored on a removable micro SD card
- All integrated controls are solid state and without any mechanical points of failure
- Activation input can accept a dry contact, 12VDC pulse, or 24VDC pulse

2.04 SPECIFICATIONS

Enclosure	Shape: Prism Dimensions: 40”H x 10”sides Enclosure: 14 Gauge Steel Weight: 37lbs Viewing range: >180
Finish	Powder Coating: Hammered Copper Textured
Electrical Power	115VAC~120VAC or 12VDC 2A
Trigger Inputs	Dry Contact, 12VDC, 24VDC
Operating Temperature	-20°F to 110°F (-29°C to 43°C)
Operating Humidity	0% to 90%
Controller Power	12VDC
Controller Outputs	1 Steady, 1 Flashing (1 second on/1 second off)
Volume Control	0 to 65db
Timer Controls	Activation Timer 5~60 seconds, Delay Activation Timer 0~30 seconds
Sound File Format	MP3
Sound File Storage	Micro SD card
Mounting	Wall mount bottom of unit 76” from the ground

2.05 INSTALLATION

The bottom of the system is surface mounted on walls at approximately 76” from the ground. The sign should be located no more than 12’ from the exit of the facility. For exits over 30’ wide it is recommended that two system signs be connected in tandem on either side of the exit.

END OF SECTION