

# Peek 625X Plus Vehicle Detector

### **Peek Traffic Corporation**

The Peek 625X Plus vehicle detector detects when vehicles are present and monitors inductive loops of practically all dimensions. It can detect both parked and moving vehicles and control access.



# **Description**

The Peek 625X Plus provides a host of settings that are adjustable using front panel DIP switches. Sensitivity is adjusted using a 10-setting rotary dial.

The user can set a 2-second detection delay to ignore fast moving vehicles or extend the detection time by 2, 5 or 10 seconds to ensure detection of slow moving vehicles.

The detection monitor reports two types of loop faults: open loop and shorted loop. Each fault type is indicated by a specific flashing sequence of the power indicator or, if so programmed, relay 2 emits an output signal.

The Peek 625X Plus detector is equipped with two separate programmable relay outputs:

- Relay 1:
  - Main detection output
  - Factory set to be fail safe in the case of power interruptions
  - $\circ\,$  Can be modified by delay and extension
  - Fail safe mode easily changeable
- Relay 2 Can be set to one of the following:
  - True presence (no delay or extension)
  - Pulse on vehicle entering the loop
  - Pulse on vehicle exiting the loop
  - Loop fail output

A non-volatile memory prevents the loss of vehicle signals following a voltage drop of 3 seconds or less (the 625X "remembers" the vehicle).

## **Specifications**

## Standard functions

- Automatic tuning to the loop frequency
- Inherent noise filtering algorithms allowing reliable operation in any electrical situation
- Protection from damage if plugged into the wrong voltage
- Fail safe and fail secure configurations in case of power interruptions
- Sensitivity boost feature
- Onsite selectable fail safe and fail secure configurations in case of power interruptions
- Ongoing compensation for the impacts of weather conditions
- 11-pin Amphenol male connector

#### Technical characteristics

- Supply voltage:
- 10-30 VAC or VDC (LV model)
- 117 VAC (117 model)
- 230 VAC (230 model)
- Consumption: less than 3 W
  Inductance range: 20-1000 μH
- Operating temperature range: -34 to +74°C (-29 to +165°F)
- Dimensions: 60 mm (high) x 45 mm (wide) x 92 mm (deep) (2.375 x 1.75 x 3.61")

#### Models

• 625X Plus-LV: 10-30 VAC or VDC supply voltage

• 625X Plus-117: 117 VAC supply voltage

• 625X Plus-230: 230 VAC supply voltage

For more information: 1 800 363-5913

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