



**NORTHSTAR
CONTROLS, LLC**
Vehicle Detection, Systems & Accessories



NP2-LM | ACCESS CONTROL

Single Channel – Single Output Plug-In
Vehicle Detector



Compatible with LiftMaster® Operators



4 Selectable Sensitivities



4 Selectable Frequencies



Supplied Output Connector/Harness



Selectable Presence Times



Permanent Presence Option



Our Facility
Sarasota, Florida



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Built in America, by an American

Front Panel Selections:

Sensitivity – controlled by front panel DIP switch.

- 0 (5)OFF+(6)OFF= Low sensitivity
- 1(5)ON+(6)OFF=Med.Low
- 2(5)OFF+(6)ON=Med. High
- 3 (5)ON+(6)ON= High sensitivity

Medium sensitivity is used for most applications; this is a setting of 1 or 2. Always use the lowest sensitivity setting that provides expected operations.

Frequency – four separate settings controlled by front panel DIP switches.

- (1)OFF+(2)OFF = High
- (1)OFF+(2)ON = Medium High
- (1)ON+(2)OFF = Medium Low
- (1)ON+(2)ON = Low

Reset – front panel reset performs a hard reset of the detector.

DIP Switch Options:

- Switch A ON** = 15 min presence time
- Switch A and B OFF** = 60 min presence time
- Switch B ON** = Permanent Presence

Outputs:

Detect Output is fail secure, loss of power does not cause a detect output to be placed.

Factory Settings:

- Set to High frequency
- Set to Medium Low sensitivity (1)

Specifications: Output Rating: Solid State. 30mA Maximum current sink. Output is protected from over-voltage or polarity reversal.

Power: 12 to 24 volts DC, 5mA nominal.

Inductance Range: 20uH to 1500uH.

Temperature Range: -30 F to +180 F.

Lead-In Length: up to 2500 ft. with proper lead-in and loop.

Mechanical: 2.4” H x 2.25” D x 0.8” W.

Supply Voltage – incorrect voltage supplied to the unit will not result in damage, the unit will simply not operate until correct voltage is supplied. No fuses need to be reset.

Indicators – front panel indicators:

Power/Fault – Blue, solid with correct power supplied. Flashes during a fault condition. Fault flash sequence: Single flash and pause = Open Circuit Loop Double flash and pause = Shorted Loop.

Detect – White, solid during detect or fault.

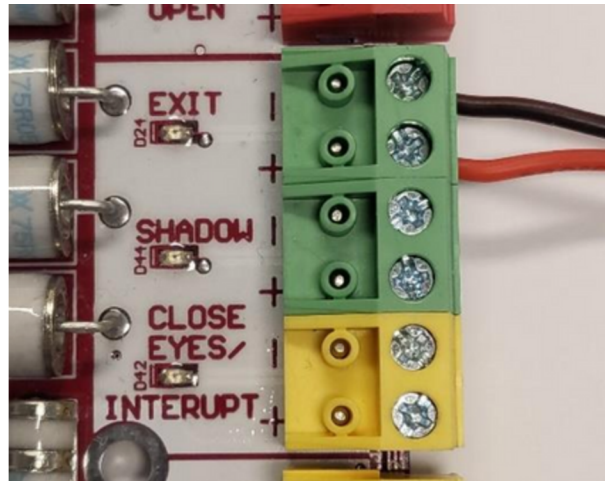
Sensitivity Boost – automatic during detect except in the highest sensitivity setting (3).

Connector: – 9 Pin

Pin #	Function
1	Loop
2	Loop
3	No Pin
4	Not used
5	Not used
6	Not used
7	Not used
8	Ground
9	Power 12-24VDC

Output Connector

1. Signal (Red Wire)
2. Common (Black Wire)



*Picture to give an example to how to run the attached connector wires from the detector to the main control board.

Note: The above connections are shown with correct power supplied and no vehicle present.

