



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



NP3 | ACCESS CONTROL

Three Channel – Plug-In/Terminal Block
Vehicle Detector

- 3 Selectable Sensitivities Per Channel
- 4 Selectable Frequencies Per Channel
- Loop Scanning PREVENTS Cross Talk
- Can Be Hardwired Into Any Operator
- Selectable Presence Times
- Direct Plug Into AOM and Viking Operators



Our Facility
Sarasota, Florida



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941.926.2454

Built in America, by an American

Sensitivity – controlled by board mounted DIP switch.

- S1+S0 = Low sensitivity
- S2+S0 = Medium sensitivity
- S1+S2 = High sensitivity
- S0+S0 = Channel OFF

Medium sensitivity is used for most applications; this is a setting of S2S0. Always use the lowest sensitivity setting that provides expected operations.

Frequency – four separate settings controlled by board mounted DIP switches.

- 2+1 = High
- 2+0 = Medium High
- 1+0 = Medium Low
- 0+0 = Low

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

Small 3 Position Switch Options:

- Switch 1** = No function
- Switch 2 ON** = 15 min presence time
- Switch 2 OFF** = 60 min presence time
- Switch 3 ON** = **ALL-O-MATIC OPERATORS**
- Switch 3 OFF** = Fail Secure

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 sensitivity (S2+S0)

Specifications:

Output Rating: Solid State Detect 30mA Maximum current sink. Outputs are protected from overvoltage or polarity reversal.

Power: 10 to 30 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: 1.0" H x 3.0" D x 4.0" W.

Indicators – front panel indicators:

Power - Blue, solid with correct power supplied.

Fault - Yellow solid during a fault condition. The channel detect LED will flash during a current fault: Single flash and pause = Open Circuit Loop, Double flash and pause = Shorted Loop.

Detect – Red, solid during detect.

Sensitivity Boost – Automatic during detect except in the highest sensitivity setting (S1+S2).

Connector: – 5 Pin Terminal Block

Pin #	Function
1	Power - 10 to 30 V DC
2	Power common
3	Open
4	Center
5	Re-Open

Connector: – 6 Pin Terminal Block

Pin #	Function
1	Loop Open
2	Loop Open
3	Loop Center
4	Loop Center
5	Loop. Re-Open
6	Loop Re-open

