

# CINCINNATI VEHICLE DETECTOR- AGP SERIES

SINGLE AND DUAL CHANNEL



**MODEL AGP-0232, DUAL CHANNEL**

CINCINNATI AGP series vehicle detectors are compact electronic devices designed to detect the presence or transit of a vehicle over a selected area. Detection is accomplished by vehicle presence or passage over a loop of a few turns of wire embedded in the roadway of an entrance and exit lane. The loop, whose leads extend to the detector, is fed by a high-frequency signal. Vehicle proximity produces an increase in the signal frequency which is detected and causes its output relay to energize and actuate external equipment such as gates, ticket dispensers, vehicle counters, traffic lights, signals, etc.

The CVD Series vehicle detector is completely self-contained with a built-in electronically regulated power supply to compensate for power line voltage variations. The power supply supports stable detector operation during power line dropout for 40 milliseconds minimum with low line voltage. The loop frequency is determined by the loop inductance and in the internal feedback network. All circuits use solid state components mounted on a glass epoxy printed circuit board.

CVD Series vehicle in single or dual; channel and in 220VAC, 120VAC, 12/24V AC/DC versions.

## SPECIFICATIONS

|                       |   |   |
|-----------------------|---|---|
| POWER                 | : | 230VAC 50/60HZ  |
| SELF-TUNING RANGE     | : | 20-1000 MICROHENRIES  |
| EXTENDED SENSITIVITY  | : | 4 STEP SELECTABLE PER CHANNEL<br>HIGH, 0.02%, MEDIUM HIGH: 0.05%, MEDIUM LOW: 0.1%, |
| FREQUENCY             | : | 4 STEP ADJUSTABLE ON FACEPLATE, 12-80KHZ<br>HIGH, MEDIUM HIGH, MEDIUM LOW, LOW      |
| OUTPUT CONFIGURATION  | : | 1 OUTPUT RELAY PER CHANNEL, JUMPER SELECTABLE<br>PULSE OR PRESENCE PER CHANNEL      |
| PULSE DURATION OUTPUT | : | APPROXIMATELY 150 MILLISECONDS  |
| PRESENCE TIME         | : | SELECTABLE: LIMITED (1 HOUR) OR PERMANENT   |
| OPERATING MODES       | : | LIMITED/PERMANENT PRESENCE, AUTOMATIC   |
| SENSITIVITY           | : | BOOST (SELECTABLE INTERNALLY ON OR OFF)   |
| INDICATIONS           | : | RED POWER LED, GREEN LED SENSE INDICATOR PER<br>CHANNEL                             |
| PROTECTION            | : | LOOP ISOLATION TRANSFORMER,ZENER DIODE<br>CLAMPING ON LOOPS INPUTS                  |
| HOUSING               | : | HIGH HEAT ABS BLEND   |
| DIMENSIONS            | : | 2.125"H X 1.5"W X 2.125"D   |

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