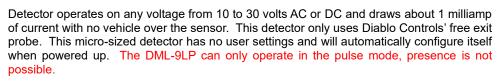
DML-9LP

Low Power Free Exit Probe Detector







Vehicle Sensor: Diablo Controls Mini-Loop (magnetometer).

Operating Temperature: -35°F to 165°F (-37°C to 74°C)

Operating Voltage: 10 to 30 volts AC or DC, approximately 1 mA when not in

detect.

Enclosure: Impact resistant, high temperature plastic.

Dimensions: 1.52" (H) x 2.90" (W) x 1.56" (D)

38.61 mm (H) x 73.66 mm (W) x 39.62 mm (D)

Output Ratings: Relay Outputs - 1 amp @ 125VAC maximum.

INDICATORS

Green Power LED: This LED blinks once per second to indicate the detector is powered and operating. In the case of an open in the input circuit, this LED flashes slowly (twice per second). This LED will flash fast (10 times per second) to indicate a shorted input circuit.

Red Detect LED: This LED will turn on for 125 ms when a vehicle is detected.

FAIL-SAFE vs FAIL-SECURE DETECTORS

A fail-safe detector will output "detect" when the loop circuit is failed. On the free exit loop this will keep the gate open until the situation is fixed. This is useful in applications where it is important to allow traffic flow to continue. A fail-secure detector will never output "detect" when the loop circuit is failed. This will keep the gate closed. This is useful in high-security areas or installations where containment is needed. **The DML-9LP is a fail-secure detector.** Note: Never use a fail-secure detector on a safety loop.

CONNECTOR

Removable 7-pin terminal block. Pin assignments are shown below (from left to right):

- 1 Relay Normally Closed (NC) contact opens for 125 ms on detect
- 2 Relay Common
- 3 Relay Normally Open (NO) contact closes for 125 ms on detect
- 4 Power Common
- 5 Power In (10 to 30 volts AC or +DC)
- 6 Mini-Loop
- 7 Mini-Loop

ORDERING INFORMATION

DML-9LP Detector Only

DML-9LP-75 Detector + Free Exit Probe with 75' Lead-in DML-9LP-100 Detector + Free Exit Probe with 100' Lead-in

Visit our Website at www.diablocontrols.com for the most current information on all of our products. Specifications are subject to change.



Features

applications.

detectors.

watch it work.

installations.

Designed for solar powered

Designed to be used with Diablo Controls' free exit probe.

Will not interfere with other loop

adapting to most common installations. Connect it up and

Small profile, perfect for many

Wide low-voltage operation.

Fail-secure operation.

Plug and play. Switchless and self-

815-354-9743 <u>www.diablocontrols.com</u> sales@diablocontrols.com

Pros Who Know Trust Diablo