



RTMS[®] Interface Card

Description

Our innovative RTMS[®] multi-zone radar detector and Interface card are the ideal migration path for projects currently using loop detectors. Gradual replacement can be part of maintenance, with no system or software changes.

An RTMS, feeding its contact closures through the RTMS Interface card, is the ideal replacement for loops. It can be mixed and matched with all existing field equipment, requiring no software changes. The RTMS multi-zone radar detector provides output through contact closures and a serial RS-232 bus.

Applications

- Freeway traffic management systems
- Actuated intersections
- Ramp metering

Benefits

- No costly lane closures or traffic disruptions
- RIC cards plug into standard input files. Compatible with NEMA TS-1, TS-2 Type 2, Type 170, and 2070 Controllers
- Low life-cycle cost
- High reliability
- No scheduled maintenance procedure required

Specifications:

Interface

- Standard TS1, TS-2 and Type 170 Input File pin-out
- Each card can emulate 2 single loops or a single dual loop speed trap
- Bright LED indicators on each channel and for power/operation
- Self-test push button

Controls

- 2 DIP-Switch sets for matching Extension

Mechanical

- Length x Height x Width:
 - 178 mm x 114.3 mm x 28 mm
 - (7 in x 4.5 in x 1.125 in)
- Weight: 120 g (4.2 oz)

Environmental

- Temperature range: -37° to +74°C (-35° to 165° F)
- Up to 95% relative humidity

Power Requirements

- Operating Voltage Range: 9-36 VDC
- Maximum Power Drain: 1.1 Watt

Electrical Isolation Performance

- Input to Output Impedance 100 mega ohm
- Input to Output 3750V (opto-isolator rating)
- Input to Controller Power Supply 1000V

Lightning Protection

- Each input is equipped with internal surge protectors (transzorb) dissipating up to 1500 Watts

Features

- Allows a single side-fired RTMS to emulate contact closures of dual-loop speed traps or of single loops in up to 12 lanes
- Allows the RTMS occupancy measurement to match 6' x 6' loop detectors
- Surge protection/isolation equivalent to a type 222 Isolator card
- Visible LED indication of vehicle detection
- Fail-safe operation for actuated signalized intersection applications

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