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Catalog Cut
Item #: 11114…

Naztec, Inc.
ATMS Solutions

Model 710-Tx/I Single Channel Loop Detector

FEATURES

- Stand-alone, single channel model
- Self-Tuning
- Twelve switch-selectable sensitivity levels
- Four switch-selectable frequencies minimize crosstalk
- Four selectable operating modes: Pulse, Presence, Short Presence, and Presence Timing (Texas Presence)
- Adjustable gap timing in pulse mode
- Delay and extension timing
- Detection LED provides separate indications for presence, delay, and extension
- Diagnostic LEDs indicate four types of faults
- Reset button to clear faults and re-tune
- Meets or exceeds NEMA TS1 specifications for inductive loop detectors

The Naztec Model 710-TX/I Inductive Loop Detector uses state of the art technology to provide a robust and reliable stand-alone vehicle detection device. Automatic self-tuning and twelve selectable sensitivity levels ensure trouble-free operation. Crosstalk is minimized by selecting one of four different oscillator frequencies for each adjacent loop.

The 710-TX/I is capable of four operating modes. In *Pulse Mode*, the detector provides a 150-200 millisecond pulse in response to a detection, useful for counting and volume calculations. In *Presence Mode*, the output from the detector is active as long as a vehicle is present on the loop. In *Short Presence Mode*, presence detection is limited to 20 minutes in length. In *Presence Timing Mode,* presence detection length is programmable in 2 second intervals from 2 to 2022 seconds. The *Delay Timing* feature causes the output to be delayed up to 63 seconds (programmable in 1 second intervals) after the beginning of the detection. The *Extend timing feature* allows the output to remain active up to 15.75 seconds (programmable in .25 second intervals) after the end of the detection. In pulse mode, the minimum gap between vehicles can be set from .5 seconds to 2.25 seconds.

The use of separate LEDs for detection and fault information eases setup and diagnostics. The DETECT LED indicates when a vehicle is on the loop or if Delay or Extension is active A 2 Hz flash rate indicates Delay, while an 8 Hz flash indicates Extend. The FAULT LED uses 8 Hz, 2 Hz, 1/2 Hz, and continuous-on modes to indicate loop shorted, opened, inductance change of more than 25%, and watchdog reset, respectively.