



Ocean State Signal Co.

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EBERLE DESIGN INC.

SPECIFICATION SHEET

TITLE: LMD SERIES LOOP DETECTORS

PART NO.: LMD302t



DEFLECTOMETER™

LMD302 Series

DEFLECTOMETER™ SERIES

DUAL CHANNEL NEMA TS-1 LOOP MONITOR™

Built-in DEFLECTOMETER™ Technology Provides Users With:

- ✓ Call Strength Indicator for Optimum Sensitivity Programming
- ✓ One step / One vehicle dynamic Sensitivity programming
- ✓ Frequency Meter for immediate analysis of loop frequency, avoiding loop cross-talk problems
- ✓ Push Button Programming

Why guess when you can know your detector is optimally programmed and performing for all vehicle classes!

Model Options:

- LMD302S Two Channel with Solid State outputs
- LMD302T Two Channel with Delay & Extend timing
- LMD302TS Two Channel with Delay & Extend timing & Solid State outputs

ENHANCED FEATURES

DEFLECTOMETER Call Strength Indicator: The *Call Strength Indicator* provides the technician with a simple one-step method for accurately setting the optimum level of sensitivity that ensures accurate vehicle detection of all vehicles, including motorcycles and high-bed trucks. **NO MORE GUESSING!**

When a medium size vehicle is over the roadway loop, a DEFLECTOMETER™ Call Strength value of "5" assures that the optimum sensitivity has been achieved. You can adjust the DEFLECTOMETER™ reading *DYNAMICALLY* without moving the vehicle by using the front panel UP or DOWN sensitivity buttons. **IT DOES NOT GET ANY EASIER THAN THIS!**

Frequency Meter: The built-in *Frequency Meter* reports the operating frequency of the loop network. Ensuring that adjacent loops are separated by at least 5 KHz will avoid crosstalk problems and future service calls.

Output CALL Test Mode: The Output Call Test Mode provides a straight forward way to test that the Controller Unit is receiving an active output from the detector. This eliminates the need for cabinet test switches and associated wiring. A huge time saving feature during system set-up and trouble shooting.

Advanced Loop Diagnostics: The Fault (FLT) indicator displays the type of fault; Short, Open or 15% change of inductance. The Fault Monitor will report and store three types of loop faults; Open Loops, Shorted Loops, and 25% sudden changes in induction. Each type of fault is indicated by a unique sequence of flashes allowing the user to diagnose loop failures at a glance.

Delay & Extension Timing: The LMD302T model provides a programmable Delay time of 1 to 63 seconds, and an Extend time of 0.25 to 15.75 seconds. These parameters are set via the front panel DIP switches

STANDARD FEATURES

- Delay & Extension Timing
- Automatic Tuning
- Lightning & Surge Protection
- Four Frequency Levels
- Separate Color-Coded LED Indicators
- Wide Loop Inductance Range: 20 to 2500 microHenries.

For more information, visit our website at www.oceanstatesignal.com