Ocean State Signal Co.
27 Thurber Blvd • Smithfield, RI 02917
(401) 231-6780   Fax: (401) 231-4390

EDI

EBERLE DESIGN INC.

SPECIFICATION SHEET

TITLE:
LMD SERIES LOOP DETECTORS

PART NO.:
LMD622t

DEFLECTOMETER

LMD622t
DEFLECTOMETER™ SERIES
TWO CHANNEL NEMA TS-2 TYPE C LOOP MONITOR™

Built-in DEFLECTOMETER™ Technology Provides Users With:

☑ **Call Strength Indicator for Optimum 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!

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 seperated 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.

Rugged Handle Assembly: The rugged handle assembly is made of GE LEXAN™, which is a super durable polycarbonate resin. The design of this assembly strengthens and protects the whole PCB assembly much better than conventional face plates. The temperature stability of critical components is improved with the more encompassing enclosure. Quick reference instructions are conveniently attached directly to the side of the unit, eliminating the need for cards.

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.

STANDARD FEATURES

■ **Delay & Extension Timing**

■ **Automatic Tuning**

■ **Lightning & Surge Protection**

■ **Four (4) Frequency Levels**

■ **Fail Safe Output Configuration**

■ **Seperate Color-Coded LED Indicators**

■ **Wide Loop Inductance Range: 20 to 2500 microHenries.**

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