

Alarm Line Modules

Identiv Alarm Line Modules provide high-security line supervision and alarm masking functionality to DIGI*TRAC™ controllers.

Features

- High Security Alarm Inputs
- 2% Line Supervision
- MELM May Be Located within Sensor
- Monitors up to three Discrete Inputs
 - Alarm or Door Status
 - Alarm Masking or Request-to-Exit (RQE)
 - Tamper Alarm, Tamper Secure

Description

Identiv DIGI*TRAC controllers use very stable digitally processed analog inputs with 2% line supervision for high security alarm monitoring. A line supervision module (DTLM, MELM, or SBMS) is located at the door contact, alarm sensor, request-to-exit (RQE), or similar device to establish this supervision.

In lieu of “shunting”, which turns off supervision, Identiv uses “alarm masking” for full-time supervision and reporting of line status — even during hours of authorized access. Conditions reported include:

- Alarm
- Secure
- RQE
- Short
- Open
- Noise

- Mask
- Tampering
- Line-Out-of-Spec
- Latch Monitor (Option)

For doors with access control, both monitoring and alarm notification are provided for:

- Door Forced Open
- Door Open Too Long
- Auto Re-Lock Status

Specifications

Electrical

- Input 1: N.O. or N.C. (Alarm)
- Input 2: N.O. (RQE)
- Input 3: N.C. (Tamper- or Latch Monitor Option with CCM7.1x)
- Total Impedance: 10 Ohm maximum for alarm device contacts and cable
- Wiring Distances to DIGI*TRAC for 22 gauge twisted shielded pair:
 - DTLM1/MELM1: 5490 ft (1673 m)
 - DTLM2/MELM2: 3000 ft (914 m)
 - DTLM3/MELM3: 925 ft (282 m)

Physical

- Dimensions:
 - DTLM1: 2-1/8 x 1-3/8 x 3/8 in (5.5 x 3.5 x 1.1 cm) each

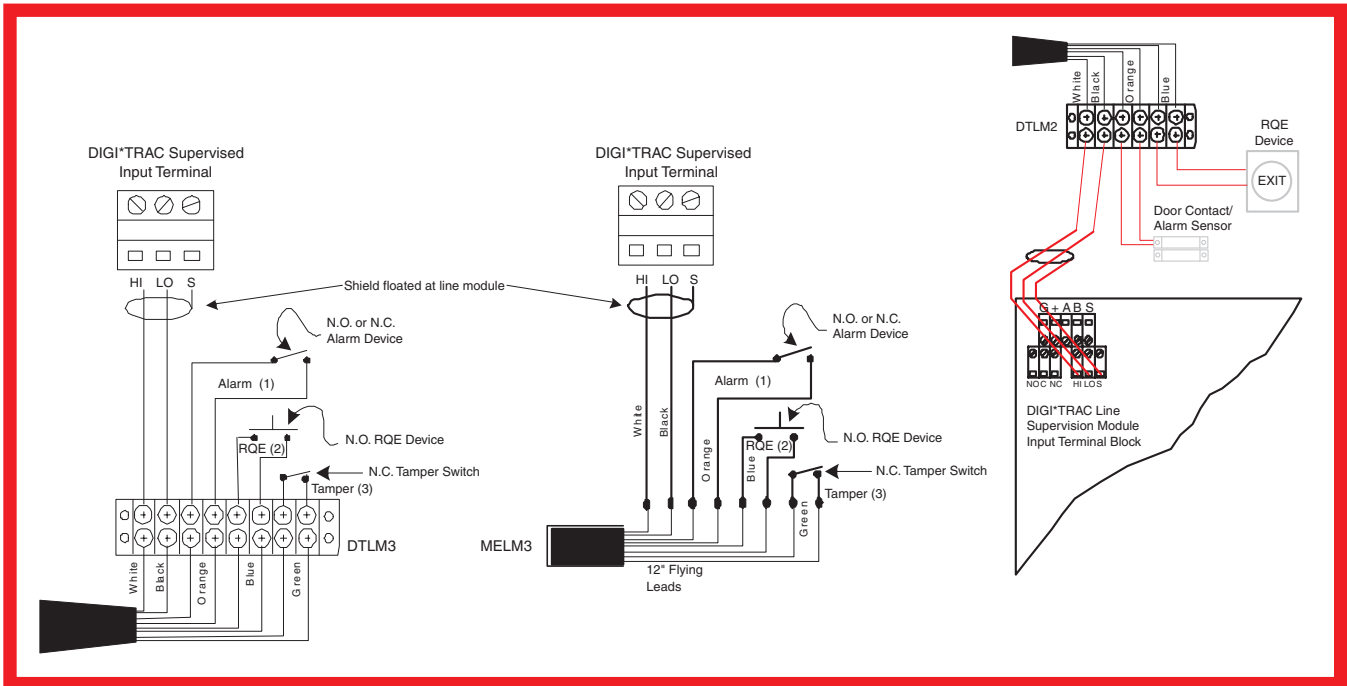
- DTLM2: 2-7/8 x 1-1/2 x 3/8 in (7.5 x 3.7 x 1.1 cm) each
- DTLM3: 3-5/8 x 1-1/2 x 3/8 in (9.3 x 3.7 x 1.1 cm) each
- MELM1: 1 x 1/2 in (2.5 x 1.3 cm)
- MELM2: 1 x 1/2 in (2.5 x 1.3 cm)
- MELM3: 1 x 1/2 in (2.5 x 1.3 cm)
- SBMS3: 4-1/4 x 1-1/2 x 3/4 in (10.8 x 3.8 x 1.9 cm) each, with 3 ft (92 cm) armored cable.

Shipping Weight:

- DTLM1: 1lb (0.45 kg)
- DTLM2: 1lb (0.45 kg)
- DTLM3: 1lb (0.45 kg)
- MELM1: 1lb (0.45 kg)
- MELM2: 1lb (0.45 kg)
- MELM3: 1lb (0.45 kg)
- SBMS3: 2lb (0.9 kg)
- Operating Temperature Range: 32° to 140° F (0° to 60° C)
- Relative Humidity: 0 to 90% non-condensing

Listings and Approvals

- UL 294 (ALVY) Access Control Systems Units
- UL 1076 Proprietary Burglar Alarm Systems Grade AA



Typical Controller-to-Line Module Wiring Diagram

Ordering Information

	Description	Comments
DTLM1	DIGI*TRAC Line Module 1	One input for Alarm/Door monitoring. Enables Auto-Relock function on a door. Consists of MELM1 prewired to one side of a two row terminal block. Locate at door or device supervised.
DTLM2	DIGI*TRAC Line Module	Two inputs for Alarm/Door monitoring and alarm mask/RQE. Enables Auto-Relock function on a door. Consists of MELM2 prewired to one side of a two row terminal block. Locate at door or device supervised.
DTLM3	DIGI*TRAC Line Module 3	Three inputs for Alarm/Door monitoring, alarm mask/RQE and tamper. Enables Auto-Relock function on a door. Consists of MELM3 prewired to one side of a two row terminal block. Locate at door or device supervised.
MELM1	Miniature Embedded Line Module 1	One input for Alarm/Door monitoring. Enables Auto-Relock function on a door. Includes 12-inch color coded flying leads. For installation within the body of most alarm sensors. Locate at door or device supervised.
MELM2	Miniature Embedded Line Module 2	Two inputs for Alarm/Door monitoring and alarm mask/RQE. Enables Auto-Relock function on a door. Includes 12-inch color coded flying leads. For installation within the body of most alarm sensors. Locate at door or device supervised.
MELM3	Miniature Embedded Line Module 3	Three inputs for Alarm/Door monitoring, alarm mask/RQE and tamper. Enables Auto-Relock function on a door. Includes 12-inch color coded flying leads. For installation within the body of most alarm sensors. Locate at door or device supervised.
SBMS3-2707A	Supervised Balanced Magnetic Switch with Line Module 3	Sentrol #2707A-L14 with integral MELM3. High-Security triple-biased door contact combines 2% multistage line supervision, RQE and TAMPER on a single pair of shielded wires. UL Listed for vaults and safes. Aluminum housing, 3ft armored cable. 3/16- to 5/8-inch gap. Includes Tamper plate.

Note: 2% line supervision is available on DTML3/MELM3. DTML1/MELM1 and DTML2/MELM2 provide 4% line supervision.

Technical data is subject to change without notice.

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