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
- 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

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
- Short
- Secure
- Open
- RQE
- Noise

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) each
  - MELM2: 1 x 1/2 in (2.5 x 1.3 cm) each
  - MELM3: 1 x 1/2 in (2.5 x 1.3 cm) each
  - 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
### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTLM1</td>
<td>DIGI*TRAC Line Module 1</td>
<td>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.</td>
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<tr>
<td>DTLM2</td>
<td>DIGI*TRAC Line Module</td>
<td>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.</td>
</tr>
<tr>
<td>DTLM3</td>
<td>DIGI*TRAC Line Module 3</td>
<td>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.</td>
</tr>
<tr>
<td>MELM1</td>
<td>Miniature Embedded Line Module 1</td>
<td>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.</td>
</tr>
<tr>
<td>MELM2</td>
<td>Miniature Embedded Line Module 2</td>
<td>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.</td>
</tr>
<tr>
<td>MELM3</td>
<td>Miniature Embedded Line Module 3</td>
<td>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.</td>
</tr>
<tr>
<td>SBMS3-2707A</td>
<td>Supervised Balanced Magnetic Switch with Line Module 3</td>
<td>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.</td>
</tr>
</tbody>
</table>

**Note:** 2% line supervision is available on DTML3/MELM3. DTLM1/MELM1 and DTLM2/MELM2 provide 4% line supervision.

Technical data is subject to change without notice.