

**ENMET Corporation**  
**PO Box 979**  
**Ann Arbor, MI 48106-0979**

## **REMOTE ALARM MODULE**

**80003-061**  
**June 2001**

## Table of Contents

|                               |          |
|-------------------------------|----------|
| <b>1.0 INTRODUCTION</b> ..... | <b>1</b> |
| 1.1 Unpack.....               | 1        |
| 1.2 Check Order.....          | 1        |
| 1.3 Serial Numbers .....      | 1        |
| <b>2.0 FEATURES</b> .....     | <b>2</b> |
| <b>3.0 INSTALLATION</b> ..... | <b>3</b> |
| 3.1 Wiring.....               | 3        |
| <b>4.0 WARRANTY</b> .....     | <b>4</b> |

## List of Illustrations

|   |          |
|---|----------|
| <b>FIGURE 1: ALARM MODULE EXTERIOR</b> .....      | <b>2</b> |
| <b>TABLE 1: ALARM MODULE WIRING</b> .....         | <b>3</b> |
| <b>FIGURE 2: ALARM MODULE INTERIOR VIEW</b> ..... | <b>3</b> |

### Reference information:

**NOTE:** [important information about use of instrument.]

**CAUTION:** [affects equipment – if not followed may cause damage to instrument, sensor etc...]

**WARNING:** [affects personnel safety – if not followed may cause bodily injury or death.]

## 1.0 Introduction

The **ENMET Corp. REMOTE Alarm Module** is designed to work with any control panel or sensor transmitter containing relay contacts. The alarm module is supplied with its own power and as a SAFETY device it is recommended that the AC voltage supplied to it be from a different circuit than the power supplied to the controller or sensor transmitter.

### Operation

When properly wired the **REMOTE Alarm Module** activates the red strobe and the audio alarm when a signal is received from a control or sensor transmitter. The module stays in the Alarm State until the signal from the control or sensor transmitter is interrupted.

**NOTE:** *All specifications stated in this manual may change without notice.*

### 1.1 Unpack

Unpack the **Alarm Module** and examine it for shipping damage. If such damage is observed, notify both **ENMET** customer service personnel and the commercial carrier involved immediately.

#### Regarding Damaged Shipments

**NOTE: It is your responsibility to follow these instructions. If they are not followed, the carrier will not honor any claims for damage.**

- This shipment was carefully inspected, verified and properly packaged at our company and delivered to the carrier in good condition.
- When it was picked up by the carrier at **ENMET**, it legally became your company's property.
- If your shipment arrives damaged:
  - Keep the items, packing material, and carton "As Is." Within 5 days of receipt, notify the carrier's local office and request immediate inspection of the carton and the contents.
  - After the inspection and after you have received written acknowledgment of the damage from the carrier, contact **ENMET** Customer Service for return authorization and further instructions. Have your Purchase Order and Sales Order numbers available.
- ENMET** either repairs or replaces damaged equipment and invoices the carrier to the extent of the liability coverage, usually \$100.00. Repair or replacement charges above that value are your company's responsibility.
- The shipping company may offer optional insurance coverage. **ENMET** only insures shipments with the shipping company when asked to do so in writing by our customer. If you need your shipments insured, please forward a written request to **ENMET** Customer Service.

#### Regarding Shortages

If there are any shortages or questions regarding this shipment, please notify **ENMET** Customer Service within 5 days of receipt at the following address:

**ENMET Corporation**  
680 Fairfield Court  
Ann Arbor, MI 48108  
734-761-1270 734-761-3220 Fax

### 1.2 Check Order

Check the contents of the shipment against the purchase order. Verify that the **Alarm Module** is received as ordered. If there are accessories on the order, ascertain that they are present. Check the contents of calibration kits. Notify **ENMET** customer service personnel of any discrepancy immediately.

### 1.3 Serial Numbers

Each **Alarm Module** is serialized. These numbers are on tags on the equipment and are on record in an **ENMET** database.

## 2.0 Features

See figure 1 for location of features and dimensions for mounting.

|                  |   |
|------------------|---|
| Enclosure        | Rated NEMA-4X, IP 66/IP 67                                    |
| Audio Alarm      | Sonalert rated at 29 Hz, 95 db at 2 ft                        |
| Visual Indicator | Red LED, indicates the audio alarm has been rendered INACTIVE |
| Switch           | Silences the audio alarm and activated the Horn Off LED       |
| Visual Alarm     | Red Strobe light, voltage (Vac Vdc) optional                  |
| Power Supply     | Input 98 – 230 VAC, Output 24 VDC                             |
| Relay            | 10 Amp  |
| Terminal Blocks  | TB1 Vac input<br>TB2 Vdc output, Signal input                 |

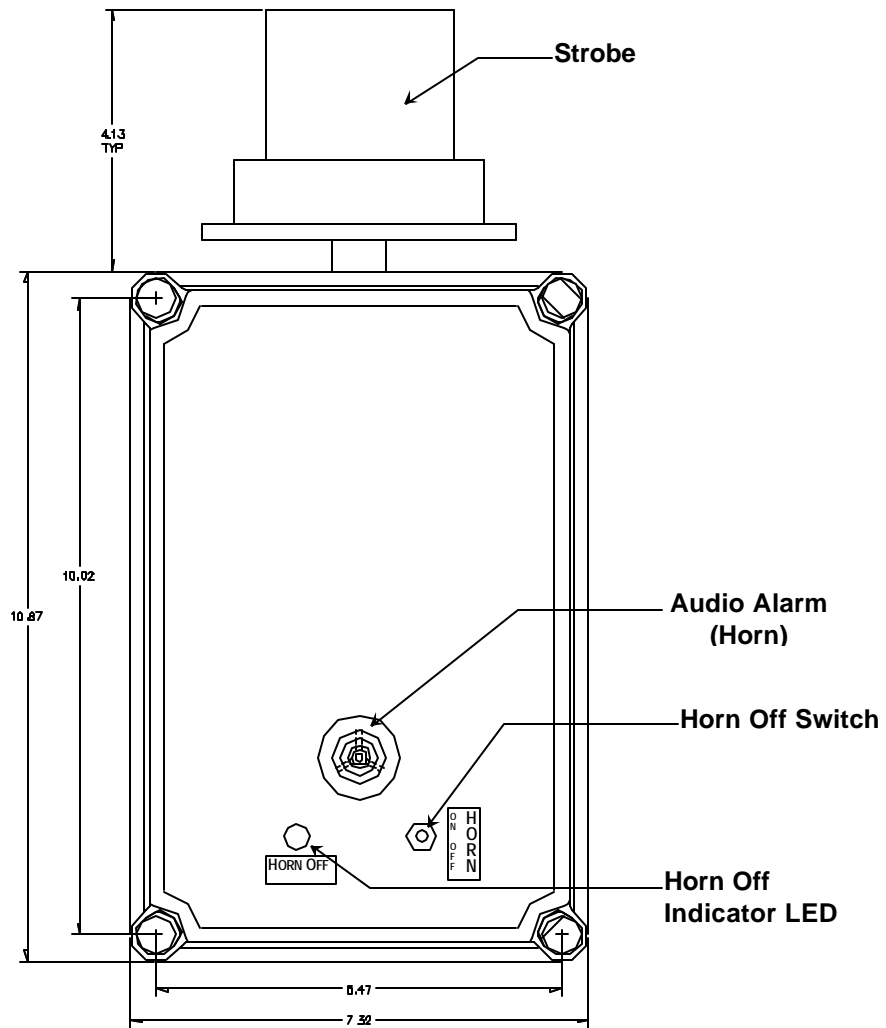


Figure 1: Alarm Module Exterior

### 3.0 Installation

**WARNING:** This equipment is not for use in hazardous combustible atmospheres as defined by the national electrical code. Use in such atmospheres may result in property damage, injury or death.

**WARNING:** Verify that the facility circuit breaker, which supplies power to the control unit and Alarm Module, is off and tagged out before proceeding to connect the power leads. Failure to disconnect the power may cause injury to yourself and damage to the instrument.

#### 3.1 Wiring

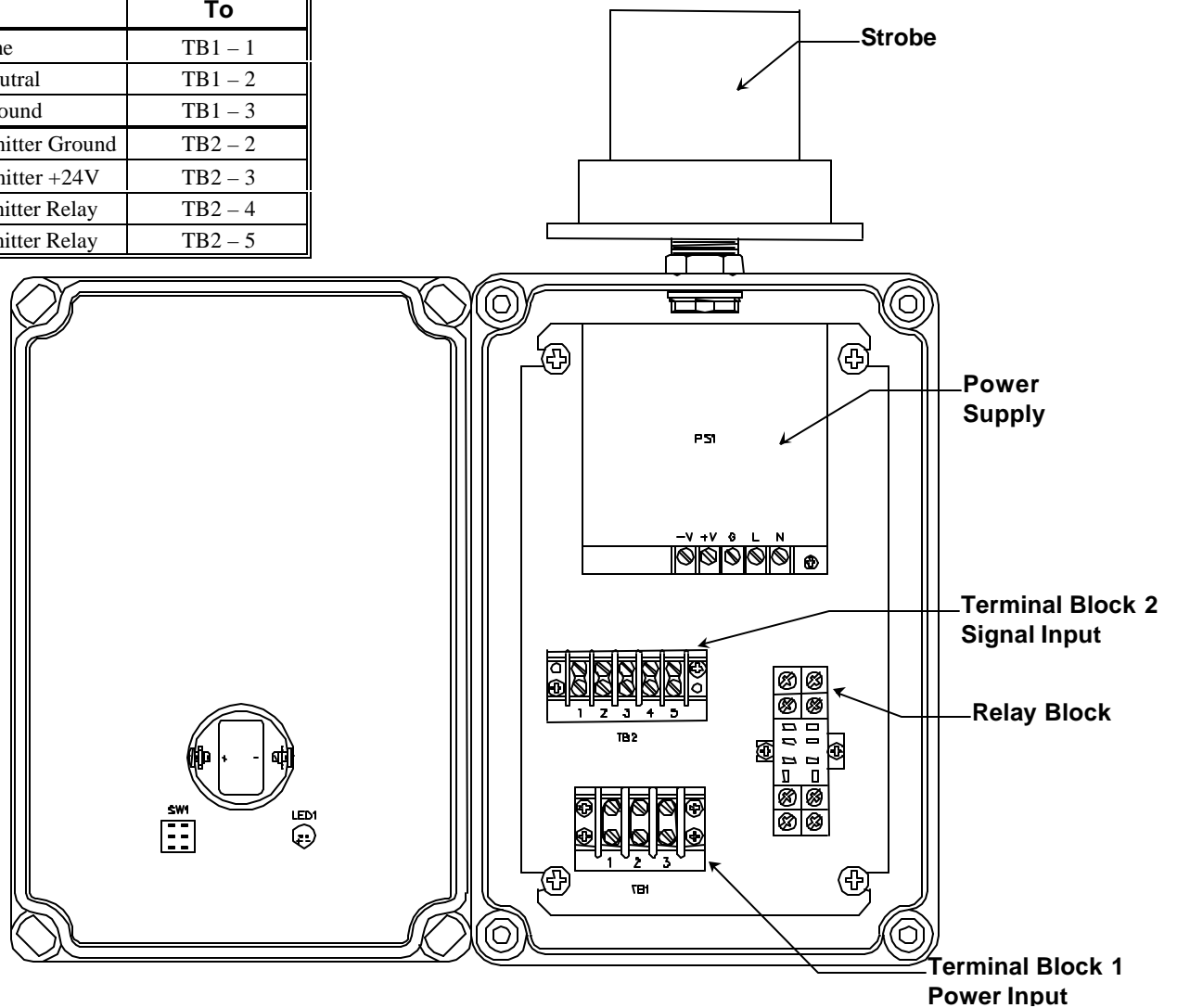
The AC voltage is supplied to Terminal block (TB) 1. TB1-1 AC high, TB1-2 AC low, TB1 -3 AC ground. See figure 2. Power for the **dry** relay contact located inside the control or sensor transmitter is supplied from TB2-4.

Power back from the control or sensor transmitter **dry** relay contact is connected to TB2-5. Consult equipment manual.

NOTE: The Remote Alarm Module is shipped with its rely contacts wired in a “fail Safe” mode. Movement of wires connected to relay terminal TB2-4 and TB2-5 may be required to achieve the desired state.

**Table 1: ALARM MODULE Wiring**

| From               | To      |
|--------------------|---------|
| AC Line            | TB1 - 1 |
| AC Neutral         | TB1 - 2 |
| AC Ground          | TB1 - 3 |
| Transmitter Ground | TB2 - 2 |
| Transmitter +24V   | TB2 - 3 |
| Transmitter Relay  | TB2 - 4 |
| Transmitter Relay  | TB2 - 5 |



**Figure 2: Alarm Module Interior View**

## 4.0 WARRANTY

**ENMET** warrants new instruments to be free from defects in workmanship and material under normal use for a period of one year from date of shipment from **ENMET**. The warranty covers both parts and labor excluding instrument calibration and expendable parts such as calibration gas, filters, batteries, etc... Equipment believed to be defective should be returned to **ENMET** within the warranty period (transportation prepaid) for inspection. If the evaluation by **ENMET** confirms that the product is defective, it will be repaired or replaced at no charge, within the stated limitations, and returned prepaid to any location in the United States by the most economical means, e.g. Surface UPS/RPS. If an expedient means of transportation is requested during the warranty period, the customer is responsible for the difference between the most economical means and the expedient mode. **ENMET** shall not be liable for any loss or damage caused by the improper use of the product. The purchaser indemnifies and saves harmless the company with respect to any loss or damages that may arise through the use by the purchaser or others of this equipment.

This warranty is expressly given in lieu of all other warranties, either expressed or implied, including that of merchantability, and all other obligations or liabilities of **ENMET** which may arise in connection with this equipment. **ENMET** neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than that which is set forth herein.

NOTE: When returning an instrument to the factory for service:

- Be sure to include paperwork.
- A purchase order, return address and telephone number will assist in the expedient repair and return of your unit.
- Include any specific instructions.
- For warranty service, include date of purchase
- If you require an estimate, please contact **ENMET** Corporation.