

USER GUIDE

**DM Engineering Don't Forget!
Status and Alert Indicator/Monitor**

Version 1.0

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Overview:

The DM Engineering “Don’t Forget!” status and alert indicator/monitor consists of the following supplied components.

- An Indicator Module for visible status display of 6 different circuits being monitored, and may be activated by either a positive going (N.C.) or negative going (N.O.) input signal, selected by jumpers accessible from the rear of the Indicator Module. The appropriate channel indicator will switch from green to red when an alarm condition occurs and an audible alert will sound if enabled. A sounder selector switch is provided with Off-Beep-Steady sounder states. When placed in the Off position the Sounder indicator changes from green to red to alert the user. The Indicator Module mounts using the supplied mounting screws or Hook & Loop fastener material.
- An I/O Board which connects to the Indicator Module via a DB15 M-F cable and interfaces with the user’s circuitry via Eurostyle screw type connectors. The audible sounder is located on this board. Three “Opto-Probe” inputs are available and when used automatically disable inputs 1-3 of the terminal connection block accordingly. The regulated power supply is also located on the I/O board and uses a 5.5 x 2.5 mm coaxial input connector. In an alert condition both steady state and flashing 5V current limited outputs are provided for the users external LED’s, sounders, remote control system or the DM Engineering Solid State Relay Pack for lighting incandescent lamps or flood lights. The I/O board mounts using the supplied mounting screws.
- An Opto-Probe LED and visible light detector for monitoring activity of LED’s or lighted switches (or any other light source). Action of the LED or light source being monitored is repeated to a LED located in the top of the sensor. The device has a ½ inch footprint and mounts with an attached adhesive pad. A 3 foot cable terminating in a 3.5mm stereo (R-T-S) connector is used for interfacing with the I/O module. The Opto-Probe receives regulated +5VDC from the I/O board and this voltage is applied to the Tip of the connector. The output is a negative going logic level upon activation and the output appears on the Ring of the connector. Ground is connected to the Sleeve of the connector. The circuit being used for the Opto-Probe should have its jumper set to a going input (jumper off) for a no light condition and for a positive going input (jumper on) for a lighted condition for proper indication of the Indicator Module.
- A 9VDC @ 500ma unregulated power supply module is included. Any power module with a rating of 9-12VDC @ 500ma will work and polarity of the connector is not an issue.
- Magnetic contact switches (N.O) are also provided for monitoring door and panel closures. They have a ¾” maximum space allowance for proper operation and attach with adhesive back tape.

Installation:

1. When using the self adhesive tapes on the Opto-Probe and door contactors as well as the Hook & Loop material, assure that the mounting surface is clean and grease free using the supplied alcohol swabs. This is especially important if the application surface is power coated paint.
2. Prior to mounting the Indicator Module, determine the polarity of the input circuits being used and set the jumpers located under the rear door on the

- Indicator Module accordingly. (See *Overview* above) The supplied paper labels may be used for circuit identification.
3. Mount both the Indicator Module and I/O board in convenient locations using the supplied mounting materials. The supplied cable is 6' long, and if required, extension DB15 M-F cables may be ordered from DM Engineering or obtained at your local computer supply.
 4. Connect the Indicator Module to the I/O board using the supplied DB15 cable.
 5. Plug in the power supply and connect it to the I/O Board. You may hear a momentary beep and the field of LED's should be green. The only exception would be the Sounder LED which may be red if the Sounder switch is in the OFF position.
 6. If used, connect the Opto-Probe to the desired input jack on the I/O board. Insure that the Opto-Probe is operating properly by exposing the light input port on the base of the device to a light source. The LED on the top of the device should light. Place your finger over the light input port on the bottom of the device. The LED on the top of the device should extinguish.
 7. Remove the protective paper from the adhesive mounting pad on the base of the Opto-Probe and hold the device ABOVE the LED or light source to be monitored. Do not stick the Opto-Probe down at this time.
 8. Activate the LED or light source and position the Opto-Probe over the light source while verifying the LED on the top of the device is activated. Press the Opto-Probe firmly down onto the mounting surface while maintaining proper positioning for LED activation.
 9. Use the supplied cable guides to anchor the Opto-Probe cable.
 10. Additional Opto-Probe detectors as well as extension control cables for the Opto-Probe may be ordered from DM Engineering. Extension cables are also available at your local computer store or local Radio Shack, catalog number 42-2562. (Use 1/8" earphone extension cables)
 11. If required, mount the door contactors and connect to the desired inputs. These connect in the N.C. (jumper on) mode to display green when closed.

Warranty Information:

The DM Engineering "Don't Forget!" and associated components are warranted for a period of one year from the date of purchase. This warranty covers materials and workmanship only. Any misapplication, physical or electrical damage from outside sources or by the customer is not covered. The customer must pay shipping costs to the factory, and DME will pay shipping costs to return the warranted equipment to the customer. Any priority shipping costs are to be the responsibility of the customer as ground service is standard. Please contact the factory for an RMA number prior to any returns. Items returned without an RMA may be sent back to the customer unopened.

Technical Support

If you have questions, experience difficulties with the product or require further information please contact DME at: 805-987-7881, toll free 800-249-0487, or E-mail technical support at: support@dmengineering.com, or visit www.DMEngineering.com for the latest User Guide.