Product Description

Eaton's Remote Alarm Panels are designed to provide audible and visual alarms for Electric and Diesel Fire Pump Controllers.
These remote panels are located at a point of constant attendance when the pump room is not constantly supervised.

Product Features

Microprocessor Control

All DFDAP-M and FDAP-M Remote Alarm Panels are microprocessor based.
The same microprocessor board is used for both Electric and Diesel units.

Power Supply Voltages

Both Normal and Supervisory (backup) power supply voltages can be supplied from 110 to 240Vac, 50-60 Hz. Both Normal and Supervisory power is supplied by customer.

Normal / Supervisory (backup) Power Source

If the Normal power source is not available, the controller will automatically switch to the Supervisory (backup) source. When normal power is restored, the controller will switch back to the normal source.

Audible Alarm

An audible buzzer will sound when any alarm condition occurs. It will continue to sound until either the Silence Alarm button is pressed, or the alarm condition is satisfied.

Lamp Test Button

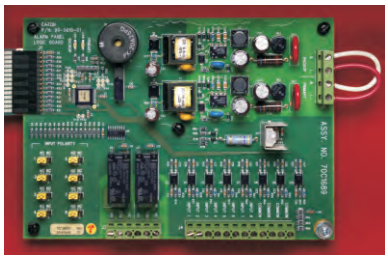
The lamp test button on the membrane will simultaneously test all LED's.

Silence Alarm Button

The Silence Alarm button on the membrane will silence all active alarms when pressed, but has no effect on the associated alarm LED(s). If another alarm condition occurs after the silence button has been pressed, the alarm buzzer will re-sound until the button is pressed again, or the alarm condition is satisfied.

User Selectable Alarm Inputs

Each panel accepts up to eight (8) inputs. Each input can be selected as either normally open or normally closed by use of jumpers on the microprocessor board.



"Normal Power On" Indication

The Normal Power On LED will turn ON when the normal power is available and will turn OFF when the controller switches to the Supervisory (backup) power source.
The alarm buzzer will sound when the normal power is not available and will remain ON until the normal power is restored, or the Silence Alarm button is pressed.

Output Relays

Output relays are PCB style - rated for 8A/250VAC.

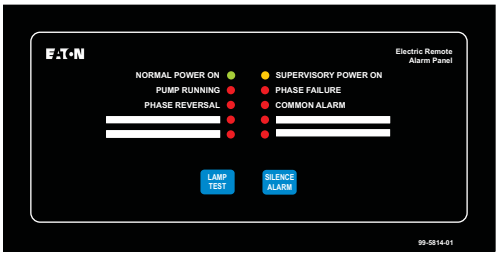
NEMA 1 Enclosures

All remote alarm panels come standard with NEMA 1 enclosures.

Membrane Indication

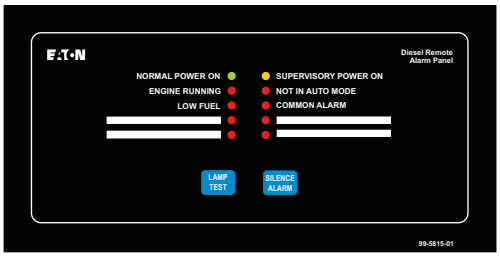
Inputs five (5) and six (6) are directly connected to two LED's on the bottom left on the membrane. A space is provided beside each LED for labeling purposes.

Inputs seven (7) and eight (8) are directly connected to two LED's on the bottom right on the membrane. As well as LED indication and labeling area on the membrane, they will each provide an output signal from a corresponding SPDT, 8Amp relay.



Electric

- Normal Power On
- Supervisory Power On
- Pump Running
- Phase Failure
- Phase Reversal
- Common Alarm
- Custom - (2)
- Custom with SPDT, 8Amp relay Output - (2)



Diesel

- Normal Power On
- Supervisory Power On
- Engine Running
- Not In Auto Mode
- Low Fuel
- Common Alarm
- Custom - (2)
- Custom with SPDT, 8 Amp relay Output - (2)

Technical Data and Specifications

Line Terminals (Incoming Cables)

Recommended Wire Size	Distance Number of feet (meters) from the controller to the remote alarm panel.
Stranded # 16	3000 (914.4)
Stranded # 14	4500 (1371.6)
Stranded # 12	7000 (2133.6)

Standards & Certification

The DFDAP-M / FDAP-M Remote Alarm Panels meet or exceed the requirements of Underwriters Laboratories, Underwriters Laboratories Canada, the Canadian Standards Association, the New York City building code, and are built to NFPA 20 standards.

c UL us N. Y. C. APPROVED