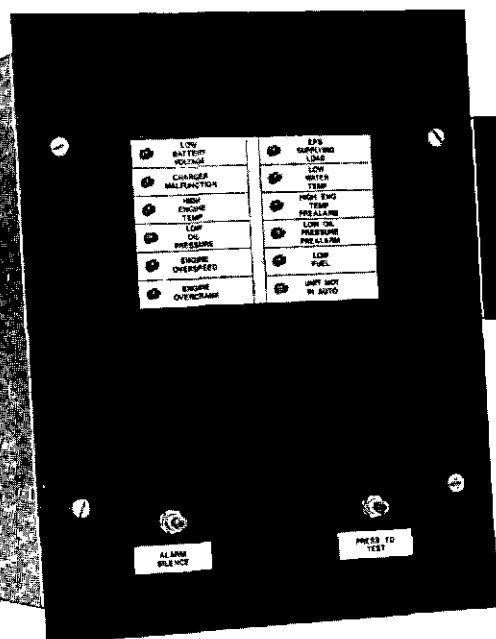


KATOLIGHT

REPETITIVE ALARM ANNUNCIATOR PANEL



MODEL AN 818-93 12 or 24 Volt

P/N 90144

The attractive standard panel face is of cold rolled steel flat black paint (18 gauge).

KATOLIGHT ANNUNCIATORS MEET THESE REQUIREMENTS

The National Electrical Code, Section 700-12 and the National Protection Association publication, NFPA No. 110, (Standard for emergency and standby power systems), require audible and visual signal devices, powered by an electrical storage battery, be provided to give warning of derangement or alarm conditions in the alternate electric power source (Standby Electric Generating Set). The signal device, ANNUNCIATOR must be installed outside the standby generating room in a location readily observed by operating personnel at a regular work station. **In accordance with NFPA 110 the alarm of the annunciator system will not be permanently shut down or bypassed. Katolight's control of the repetitive alarm annunciator audible system allows for a first alarm to be silenced and if a second alarm occurs the audible alarm system will again sound the alarm.** Other Codes and Specifications also include these requirements.

FUNCTIONAL LED'S ARE AUDIBLE OR VISUAL OR BOTH

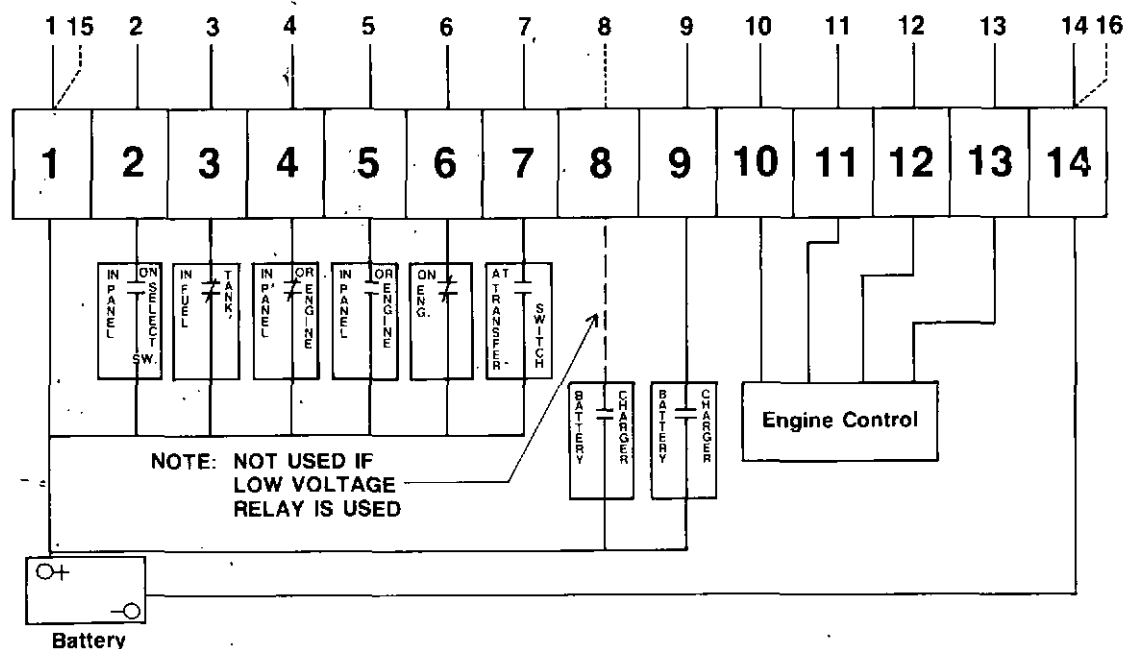
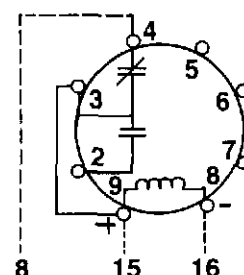
LED Legend	Condition Indicated	Derangement Signals		Adders Required	
		Audible	Visual	External Contacts	Contact Location
Low Battery Voltage	Charger Failed	NO	YES	N.O.	Battery Charger
Charger Malfunction	Battery Charger Failed	NO	YES	N.O.	Battery Charger
High Engine Temperature	Excessive Water Temperature	YES	YES	N.O.	Engine Control
Low Oil Pressure	Low Lube Oil Pressure	YES	YES	N.O.	Engine Control
Engine Overspeed	Engine Overspeed	YES	YES	N.O.	Engine Control
Engine Overcrank	Elec. Plant Failed to Start	YES	YES	N.O.	Engine Control
EPS Supplying Load	Elec. Plant Carrying Load	NO	YES	N.O.	Transfer Switch
Low Water Temperature	Low Water Jacket Temperature	YES	YES	N.O.	On Engine
High Engine Temp. Prealarm	Water Temperature Approaching Limit	YES	YES	N.O.	In Panel
Low Oil Pressure Prealarm	Oil Pressure Approaching Limit	YES	YES	N.O.	In Panel
Low Fuel	Fuel System Low	YES	YES	N.O.	In Fuel Tank
Unit Not In Auto	Elec. Plant Not in Automatic	YES	YES	N.O.	In Panel On Selc. Sw.

Drawings & Dimensions

- 1) + Volts
- 2) Unit Not in Auto
- 3) Low Fuel
- 4) Low Oil Pressure PreAlarm
- 5) High Eng. Temp. PreAlarm
- 6) Low Water Temp.
- 7) ESP Supplying Load

- 8) Low Battery Voltage
- 9) Charger Malfunction
- 10) High Engine Temp.
- 11) Low Oil Pressure
- 12) Engine Overspeed
- 13) Engine Overcrank
- 14) Ground

LOW VOLTAGE RELAY



PANEL COMPONENTS

KATOLIGHT ANNUNCIATOR PANELS are designed for either surface or flush mounting. The enclosure has knockouts on top, bottom, or either side for ease of installation. The annunciator panels are to be used in conjunction with KATOLIGHT autostart control KLAS 33 and 61 series:

Materials and Specifications May Change Without Notice.

For more information contact your nearest Representative, Distributor, or Dealer below:

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