



16 Light Annunciator Panel 2-Wire Repetitive Alarm

Interconnect up to 4000' with Twinaxial Shielded Computer Cable
(*2-Conductor Twisted Pair)

12 OR 24 Volt

KATOLIGHT ANNUNCIATORS MEET THESE SPECIFICATIONS: The National Electric Code: Section 700-12, and the National Fire Protection Association: Section No. 110, standard for emergency and standby power systems. These codes require audible and visual signal devices powered by an electrical storage battery 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.

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

Katolight Corporation recommends specific Twinaxial Shielded Computer Cable for 2-Wire annunciator applications. Refer to "Drawings and Dimensions" located on the back of this page for specifications.

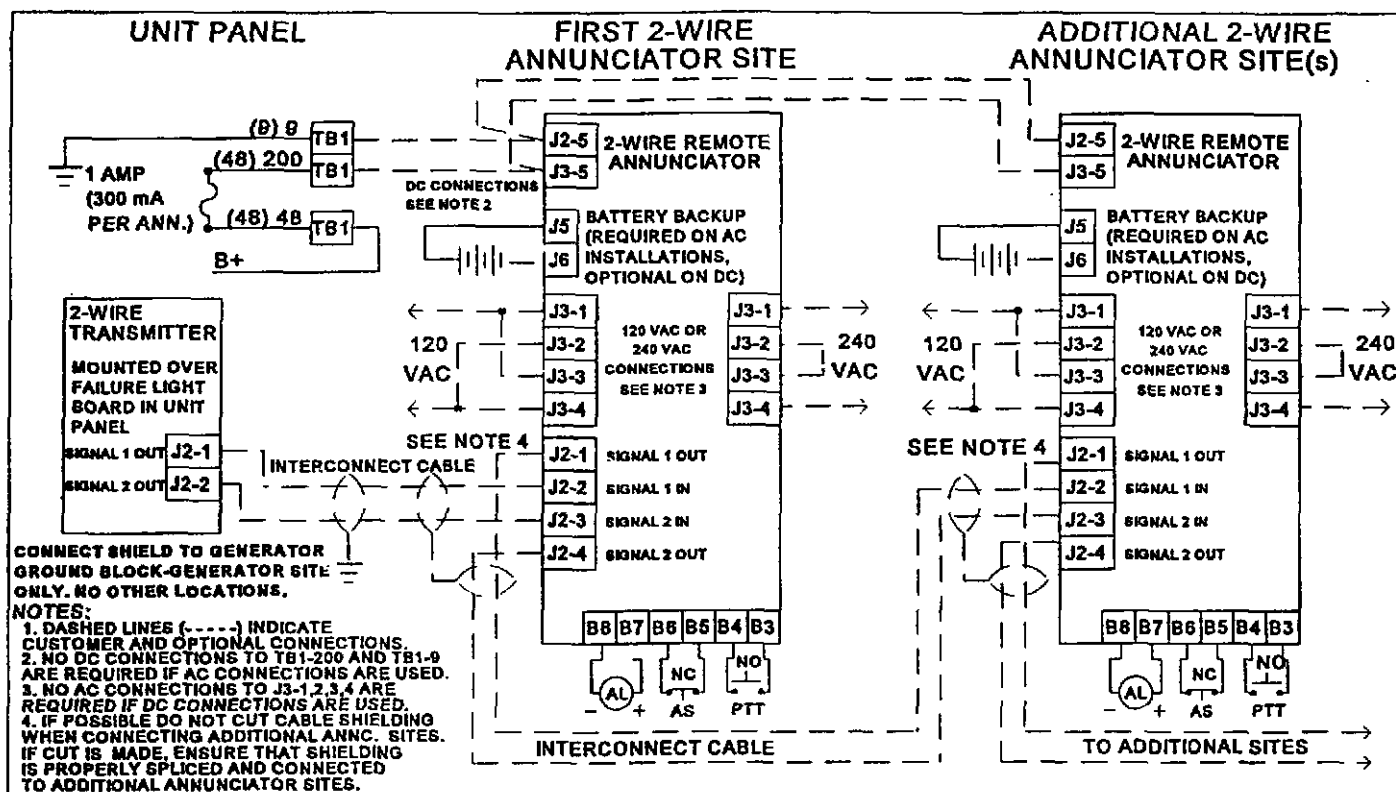
12 LIGHT FUNCTIONAL LED'S PLUS 4 SPARES. Both are audible or visual

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.	Panel
Low Oil Pressure Prealarm	Oil Pressure Approaching Limit	YES	YES	N.O.	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.	Panel On Select Sw.
4 - Spare LED's					

* Certain applications may require two additional wires for power and ground.

** Normally open contacts.

Drawings & Dimensions



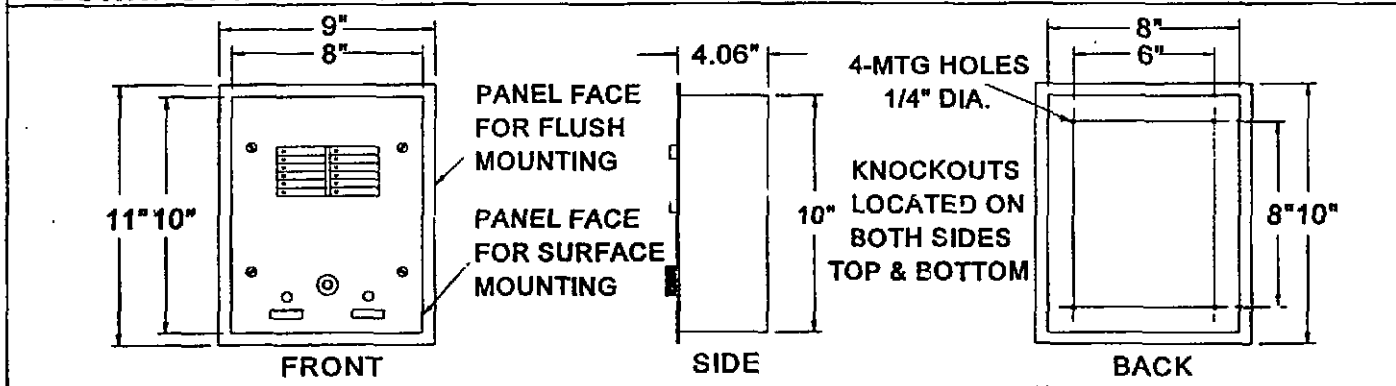
INTERCONNECT CABLE SPECIFICATIONS: TWINAXIAL SHIELDED COMPUTER CABLE.

NOM. O.D. .243in, NOM. IMP. (OHMS) 78, 9.5 OHMS/1000ft, NOM. CAP. 19.7pF/ft, AWG 20,

STRANDED 7x28, 300V 80 DEG. C, UL 2464, POLYETHYLENE INSULATION,

FOR CABLE WITH THESE SPECIFICATIONS, PLEASE CONTACT OUR SERVICE DEPARTMENT.

CONNECT ALL SIGNAL WIRES BEFORE ENERGIZING ANY CIRCUIT BOARDS



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 KASSEC, KLAS 33 and 61 series.

Materials and Specifications may change without notice.

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

KATOLIGHT CORPORATION

3201 Third Avenue P.O. Box 3229

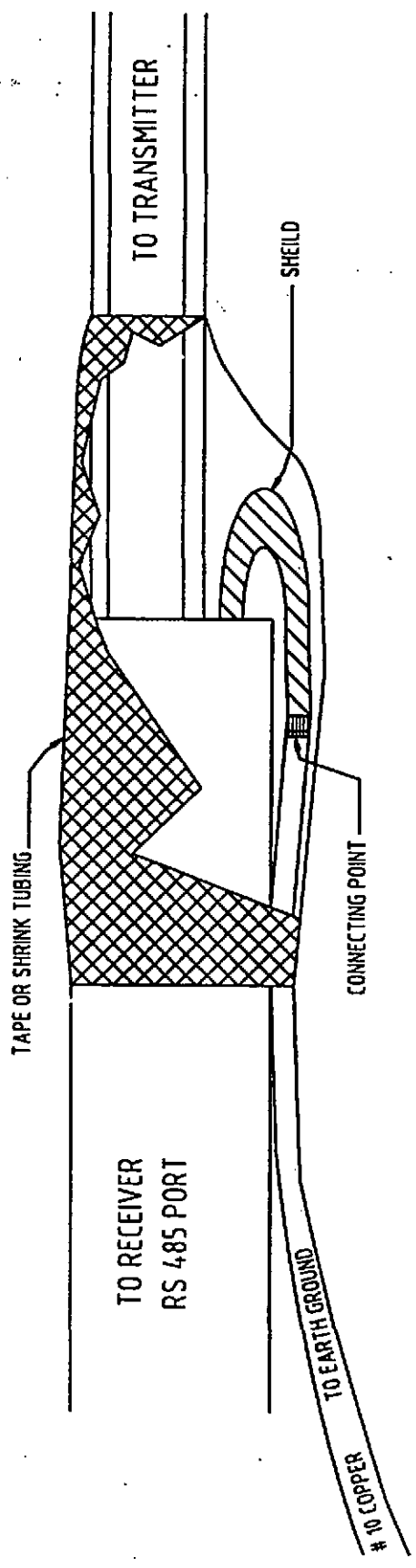
Mankato, Minnesota 56002-3229

Phone: (507) 625-7973 Fax: (507) 625-2968

Printed in U.S.A.

A B C D E F G H

PROPER WAY TO INSTALL GROUND SHIELD CABLE



KATOLIGHT

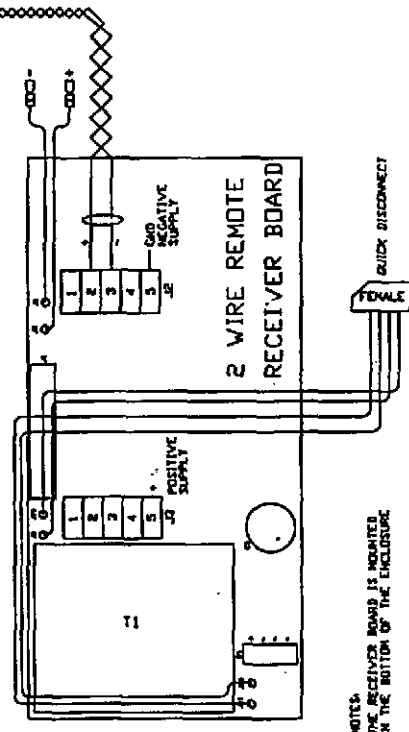
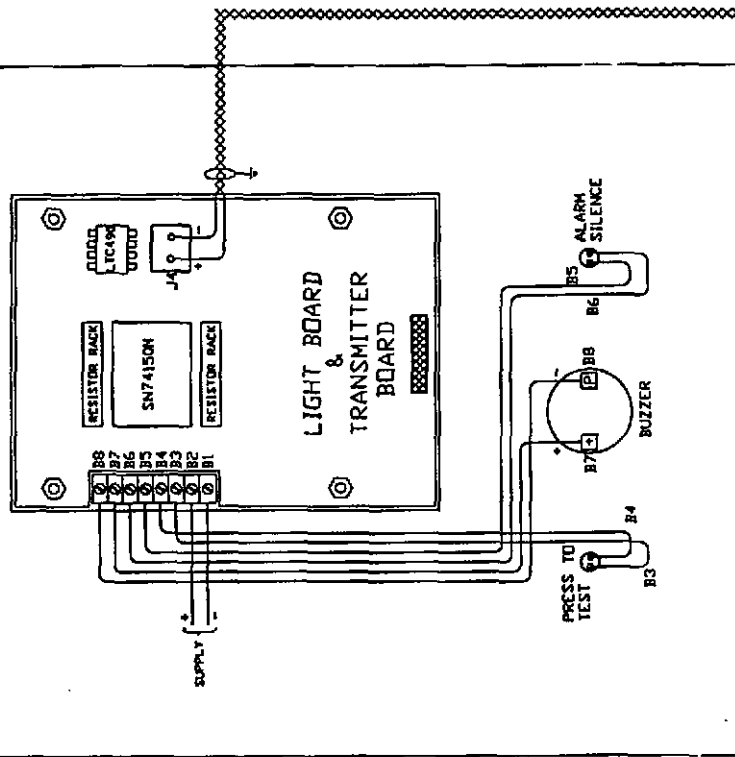
MINNETONKA, MINNESOTA

CABLE DIAGRAM

SIZE	DATE	DWG NO	800-171
8	3-15-99		
DESCRIPTION	SHEET	NO	1 OF 1
SHIELD CABLE	ONLY	SL	

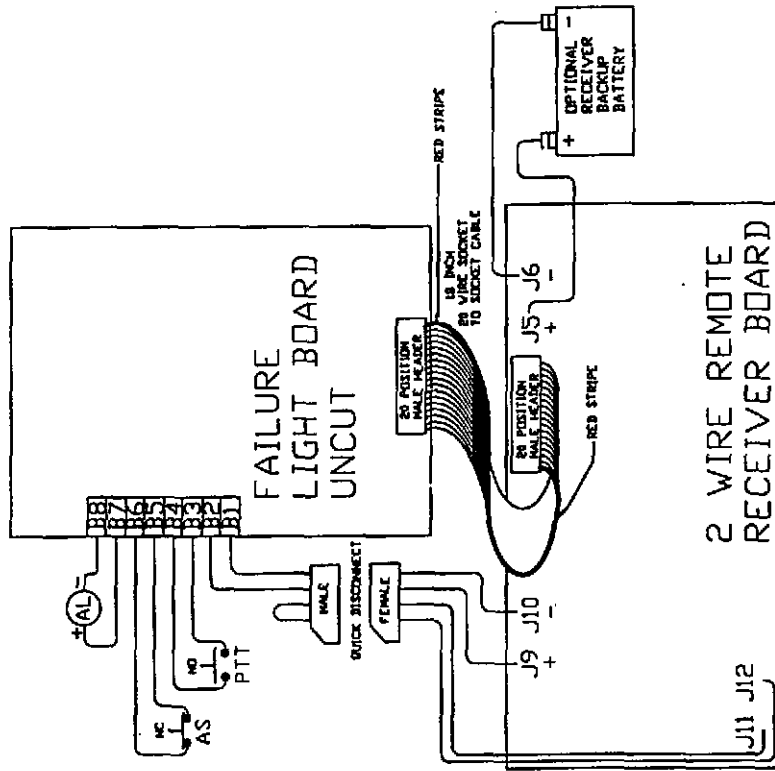
HOOK UP CONNECTION

BACK PLATE OF CONTROL PANEL



NOTES:
THE RECEIVER BOARD IS MOUNTED
ON THE BOTTOM OF THE ENCLOSURE

SCHEMATIC



ORIGINAL

QUANTITY	MATERIAL PART NUMBER	DESCRIPTION
4	40820	FAILURE LIGHT TERMINAL BOARD
1	40821	FAILURE LIGHT TERMINAL BOARD
1	40822	FAILURE LIGHT TERMINAL BOARD
1	40823	FAILURE LIGHT TERMINAL BOARD
1	40824	FAILURE LIGHT TERMINAL BOARD
1	40825	FAILURE LIGHT TERMINAL BOARD
1	40826	FAILURE LIGHT TERMINAL BOARD
1	40827	FAILURE LIGHT TERMINAL BOARD
1	40828	FAILURE LIGHT TERMINAL BOARD
1	40829	FAILURE LIGHT TERMINAL BOARD
1	40830	FAILURE LIGHT TERMINAL BOARD
1	40831	FAILURE LIGHT TERMINAL BOARD
1	40832	FAILURE LIGHT TERMINAL BOARD
1	40833	FAILURE LIGHT TERMINAL BOARD
1	40834	FAILURE LIGHT TERMINAL BOARD
1	40835	FAILURE LIGHT TERMINAL BOARD
1	40836	FAILURE LIGHT TERMINAL BOARD
1	40837	FAILURE LIGHT TERMINAL BOARD
1	40838	FAILURE LIGHT TERMINAL BOARD
1	40839	FAILURE LIGHT TERMINAL BOARD
1	40840	FAILURE LIGHT TERMINAL BOARD