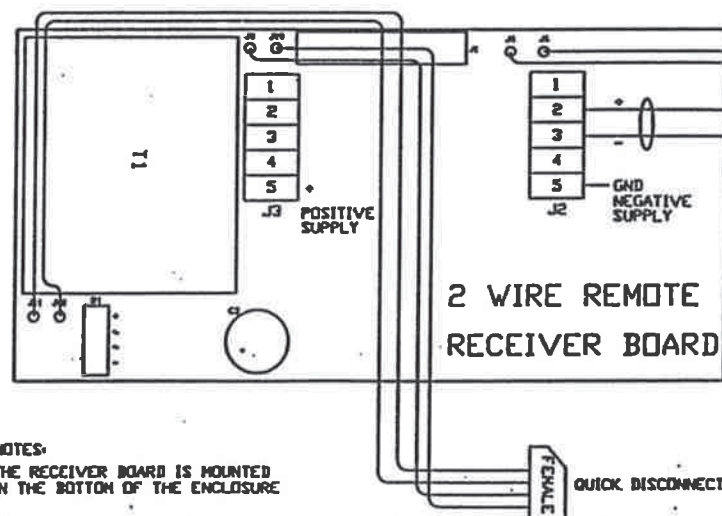
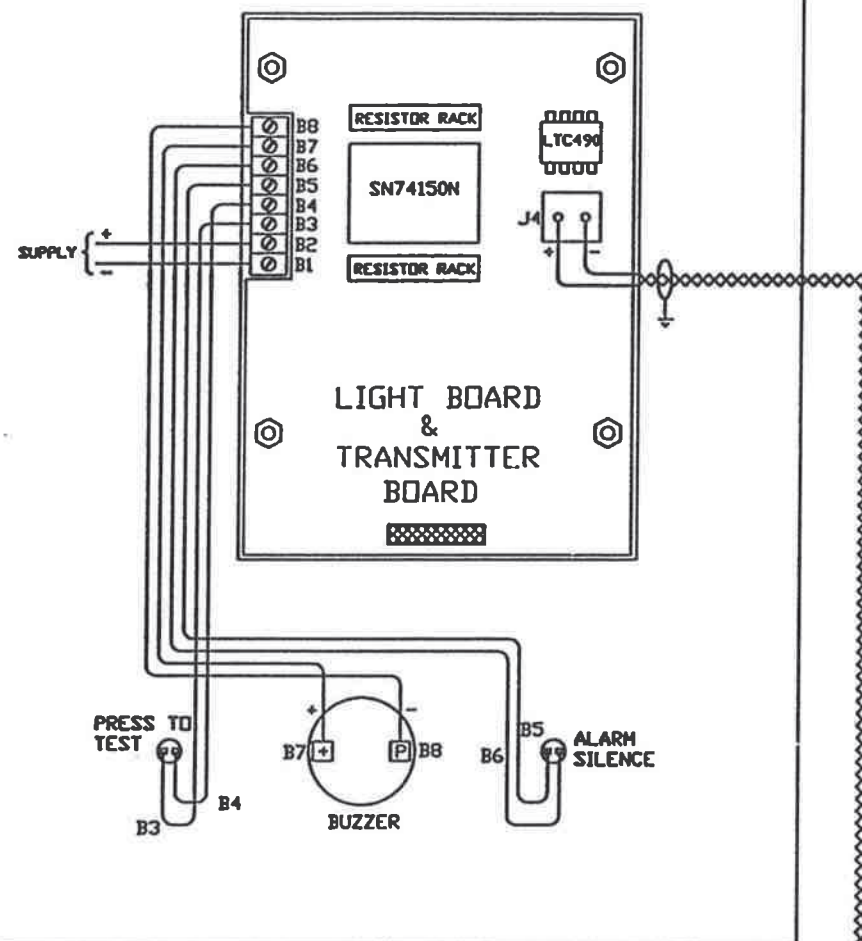


A B C D E F G H I J

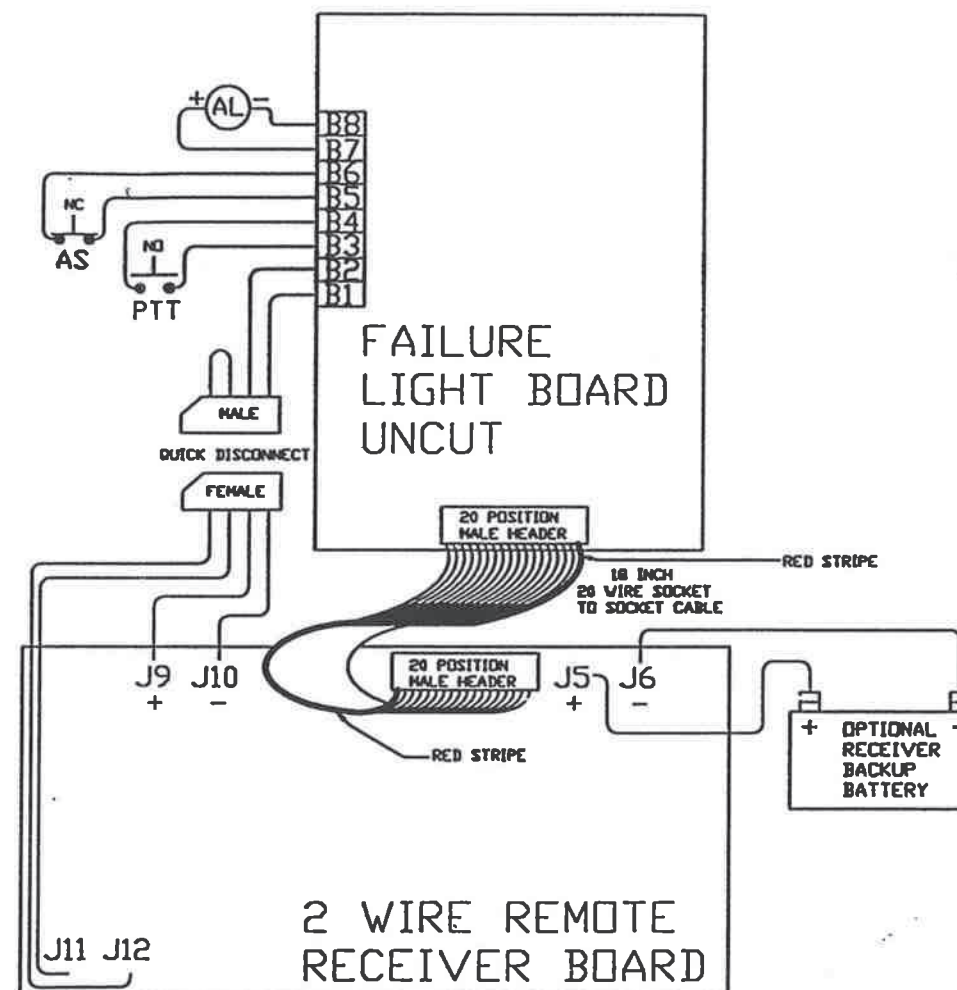
HOOK UP CONNECTION

BACK PLATE OF CONTROL PANEL



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

SCHEMATIC



QUANTITY	KATOLIGHT PART NUMBER	DESCRIPTION
4	40830	FEMALE CRIMP TERMINAL 0.062"
4	40829	MALE CRIMP TERMINAL 0.062"
1	40828	4 PIN FEMALE PLUG 0.062"
1	40827	4 PIN MALE PLUG 0.062"
1	58412	18' FEMALE HEADER-HEADER CABLE
8	40826	1/4" HEX MALE-FEMALE STANDOFF 6-32, 3/8"
1	40831	ANNUNCIATOR POWER AND WARNING LABELS
1	58411	20 PIN MALE HEADER, DUAL ROW
1	90150	2 WIRE RECEIVER BOARD
1	40499	12 VOLT LEAD ACID BATTERY (OPTIONAL)
1	40498	BATTERY MOUNTING BRACKETS (OPTIONAL)

ORIGINAL

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expressed written permission of KATOLIGHT CORP., HAWKATO, ILL.

KATOLIGHT HAWKATO, ILLINOIS			
2 WIRE ANN. RECEIVER			
SIZE	DATE	DWG NO	APPROVED/ JWB
C	2-10-99	800-170	DATE 2-10-99
DESCRIPTION ASSEMBLY		DWN BY SL	SHEET 1 OF 1

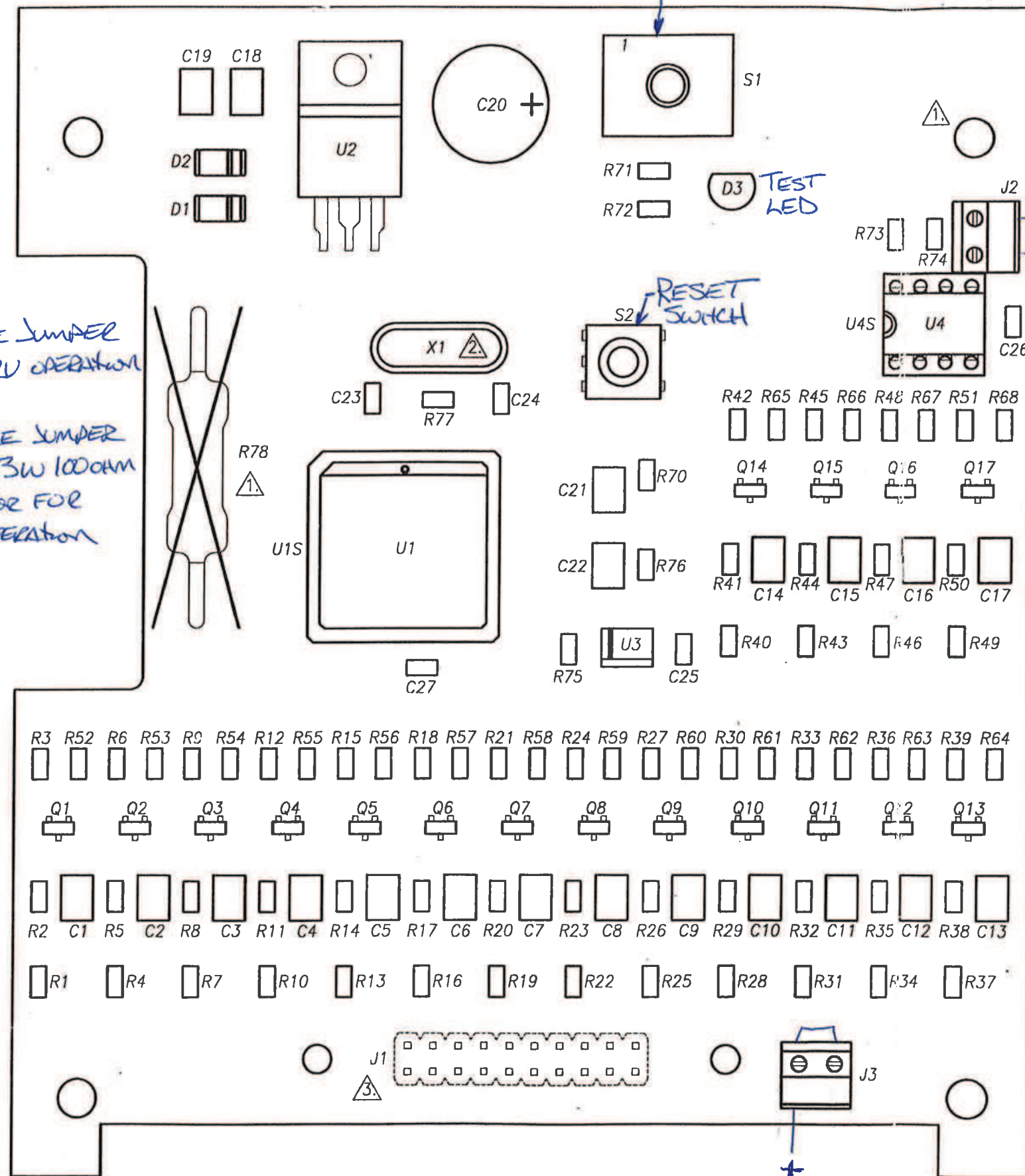
NO REQD	PART NUMBER	DESCRIPTION
1	XZ-14-14400	STENCIL, TOP

TOP SIDE

SWITCH FOR TEST MODE

LEAVE JUMPER FOR 12V OPERATION

REPLACE JUMPER WITH 3W 100OHM RESISTOR FOR 24V OPERATION



NOTES:

1. ALL OMITTED LEADED PART HOLES AND MOUNTING HOLES TO BE FREE OF SOLDER.
2. NO POLARITY ON X1.
3. NO POLARITY ON J1, INSTALLED ON BOTTOM SIDE.
4. SHIP ASSEMBLY IN METALLIC SHIELDING BAG.

		NEW RELEASE		99****	A
APP	CK	DESCRIPTION	DATE	ECO NO	REY
REVISIONS					
DIMENSIONS EXPRESSED IN INCHES			USED ON 98195-01		
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TOLERANCES ±0.005 UNLESS OTHERWISE NOTED DECIMALS ANGLES FRACTIONS		EI MICROCIRCUITS INC. MANKATO, MN			
DSGN D.LAMPHIER		TITLE: RS485 TRANSCEIVER			
ENGR		DRAWING NO. 98195-01			
DATE		SIZE B SCALE: 200% SHEET: 1 OF 1			

X = OMIT



KL2B17
Part # 72395

The Katolight KL2B17 allows the Katolight 50K series control panel to be connected to the KDRP-110.

The KL2B17 maybe operated on 12 or 24 volts DC.

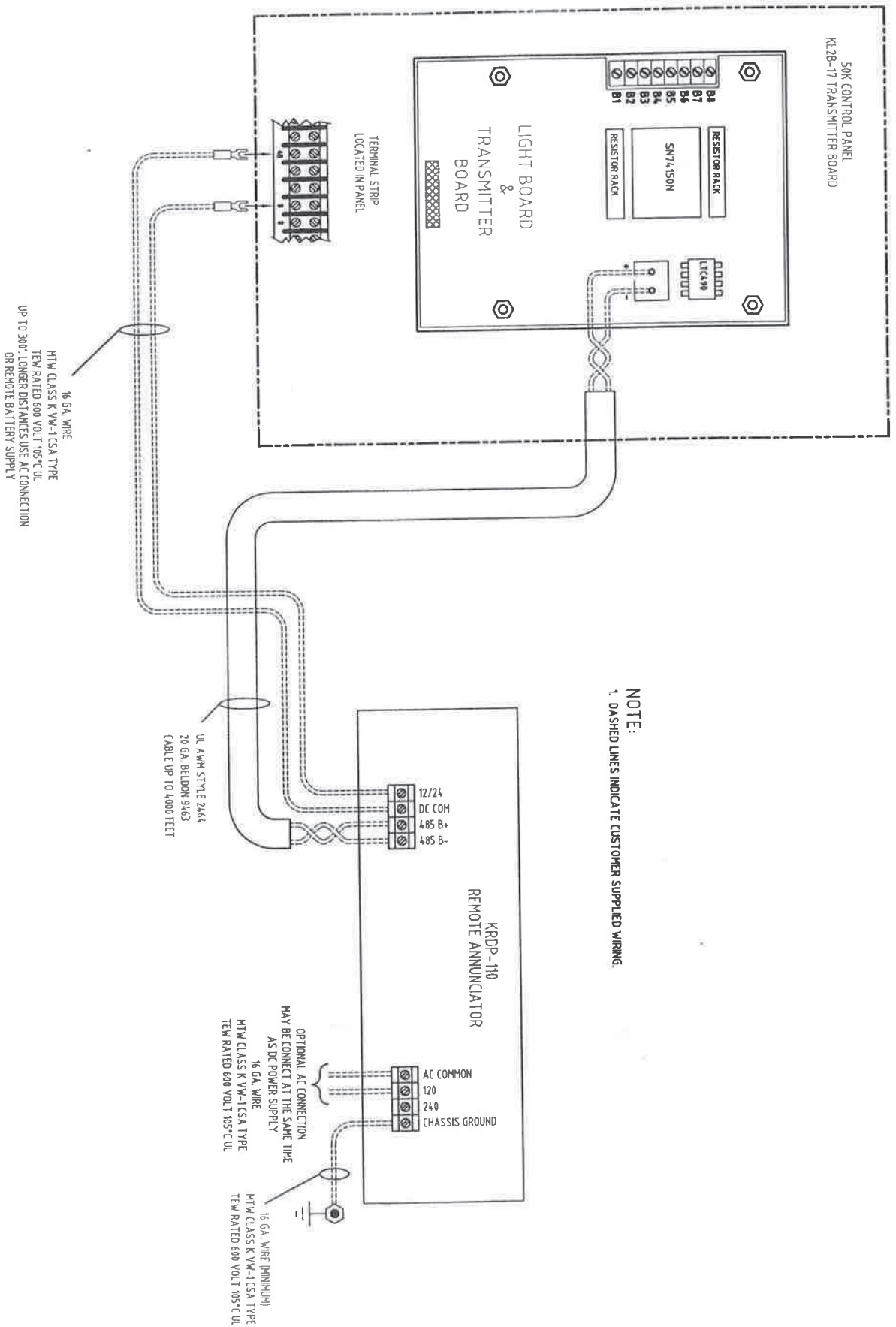
The KL2B17 transmits the encoded DC signals from the 16-light board and the 17th DC signal from the connector on the KL2B17 its self.

The sequence of the connections on the connector of the 16-light board from left to right are as follows:

<u>Terminal Number</u>	<u>Function</u>
1	Sender Failure Alarm
2	Not in Auto Alarm
3	Low Fuel Level Pre-alarm
4	Low Oil Pressure Pre-alarm
5	High Coolant Temp. Pre-alarm
6	Low Coolant Temp. Pre-alarm
7	Generator Supplying Load
8	Low Coolant Level
9	Fuel Leak Alarm
10	Weak Battery Pre-alarm
11	Battery Overvoltage Pre-alarm
12	High Coolant Temp. Alarm
13	Low Oil Pressure Alarm
14	Overspeed Alarm
15	Overcrank Alarm
16	Battery Charger Failure Pre-alarm
17	Emergency Stop Activated (Located on the bottom right-hand corner of the KL2B17.)

The transmitted signal is a RS-485 protocol and the output connection is on the upper right-hand side of the KL2B17.

Katolight recommends that the hookup wire from the KL2B17 to the KRDP-110 be Belden 9463 twisted pair shelled, with the shelled grounded to earth ground only at the transmitter end.



NOTE:
1. DASHED LINES INDICATE CUSTOMER SUPPLIED WIRING.

KL2B17

KLITE TO Basler lite Board

LED on = Test mode
LED off = Normal mode

Switch on top ~~of~~ Center
of Board

New style will be Jumper

Test mode
Led on

Normal mode

Test mode sends 10 Hz signal
to sequence lights and alarm

Reset Switch is the blue sw below test switch
in the event of a spike the microprocessor to skip
codes. The New board will not have a switch
will have to remove power for 15 secs to Reset

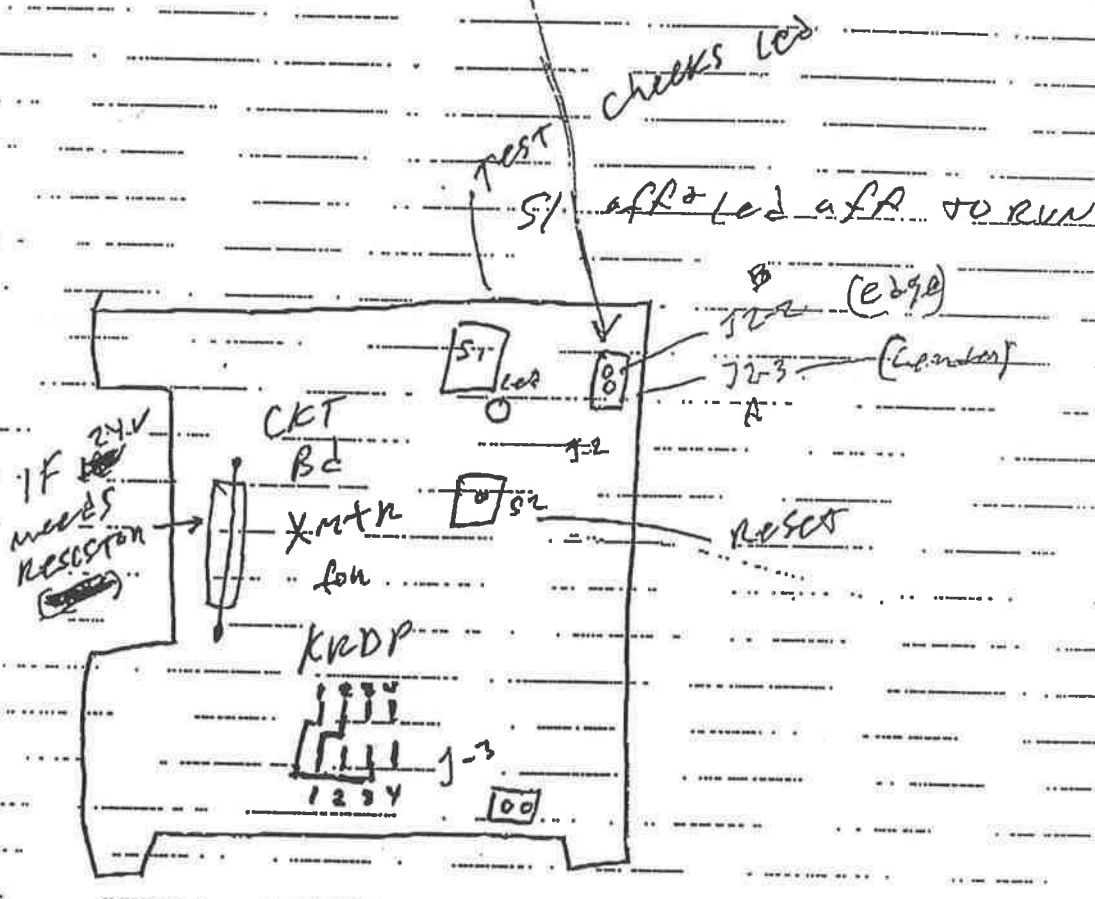
J3 = E Stop

R78 White Jumper in for 12VDC

100 Ω 3W Resistor for 24VDC operation

6

IF Xmit Bd IS WORKING (Xmitting) you
SHOULD SEE A VARIING SIGNAL FROM
OUT PUT OF BOARD WITH IM OR DC



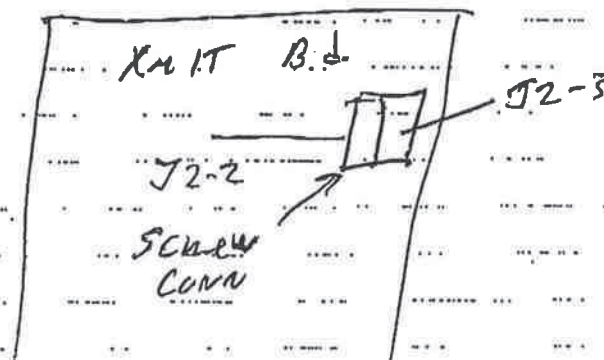
TWO WIRE ANNUNCIATOR

#5 gnd. to J2-5

#6 Pos. to J3-5

J2-2 to center of XMIT BOARD

J2-3 to edge of " "



Power FROM #1 & #2 on J61 TO ANNUN.

KR DP-110 2-WIRE ANNUN.

Signal to OUR 2-WIRE UNIT
terminal on 16 LT B.d. IN PANEL
466 XMIT. Bd WITH STAND OFF

