

SURE-LITES

Installation Instructions for GC 1500 Series (6 & 12 VDC)

IMPORTANT SAFEGUARDS

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE OBSERVED INCLUDING THE FOLLOWING:

1. ***READ AND FOLLOW ALL SAFETY INSTRUCTIONS.***

3. Do not use outdoors.
3. Do not let power supply cords touch hot surfaces.
4. Do not mount near gas or electric heaters
5. Equipment shall be mounted in locations and at heights where it will not readily be subject to tampering by unauthorized personnel.
6. The use of accessory equipment not recommended by *Sure-Lites* may cause an unsafe condition.
7. Do not use this equipment for other than its intended purpose.
8. Although approved for remote fixtures, this equipment does not require a load fuse because its sophisticated solid state transfer switch is current limited. DO NOT exceed TOTAL OUTPUT RATING of equipment. TRANSFER CIRCUIT will automatically shut down if overloaded.
9. **SAVE THESE INSTRUCTIONS.**

NOTES:

Step 1. Lamps shown are standard lamps supplied. If your installation has been custom designed using special lamps, check for a lamp replacement label in the head.

Step 2. When batteries are in a series, parallel or a combination series parallel circuit, all should be replaced at the same time.

INSTALLATION

Step 1. Mount unit securely in place in T-bar Ceiling using support clips provided.

Step 2. Extend unswitched 24 hour supply of rated voltage to unit and connect per diagram (277V orange, 120V black, odd voltages brown, [in place of orange and black,] neutral white). Insulate unused line wire (orange or black). Connect ground in accordance with local codes. (Circuit should not be energized at this time).

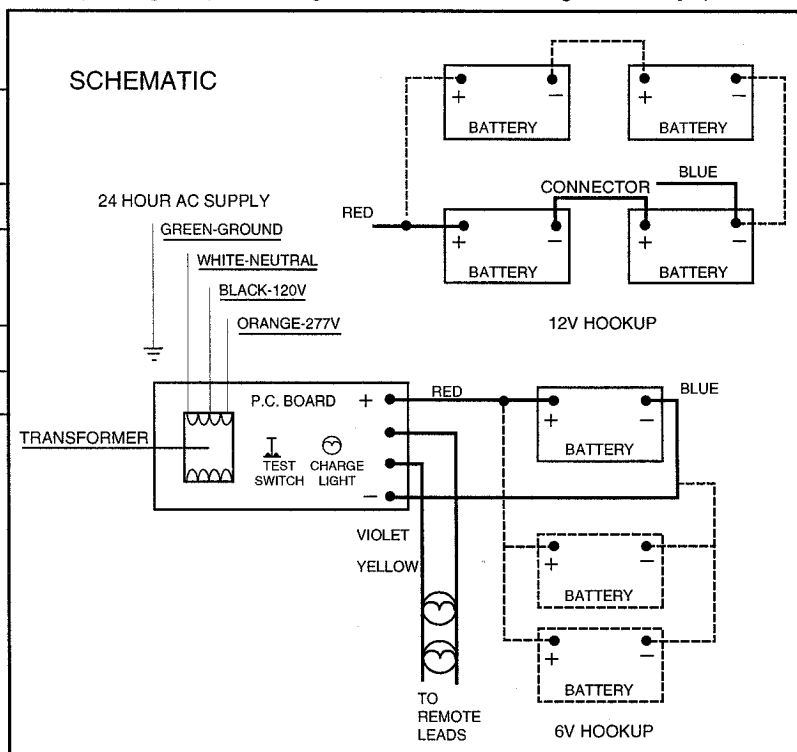
Step 3. If remote lamps are to be connected, extend DC circuit per article 700 and 720 of NEC and connect to yellow and violet leads provided.

Step 4. Place batteries in unit. Use care so as not to short terminals.

Step 5. Connect blue lead(s) to battery terminal(s) marked negative.
Connect red lead(s) to battery terminal(s) marked positive.
Lamps will not light at this time.

Step 6. Replace cover.

Step 7. Turn on AC Supply.



RATINGS AND REPLACEMENT PARTS LIST

Input: 120/277V 60 Hz
Output: 6VDC or 12VDC

MODEL #	VOLTS	WATTS	PCB	STANDARD	BATTERY
GC-1501	6	27	051-1041	29-84	(1) 26-50
GC-1502	6	54	051-1047	29-84	(2) 26-50
GC-1503	6	85	051-1304	29-84	(3) 26-50
GC-1504	12	36	051-1048	29-86	(2) 26-45
GC-1505	12	54	051-1048	29-86	(2) 26-50
GC-1507	6	*24	051-1041	29-15	(1) 26-50
GC-1508	6	*36	051-1047	29-15	(2) 26-50
GC-1512	6	15	051-1068	29-88	(1) 26-62
GC-1513	6	24	051-1069	29-88	(1) 26-63
GC-1514	6	48	051-1070	29-88	(2) 26-63
GC-1517	12	30	051-1071	29-86	(2) 26-62
GC-1518	12	48	051-1071	29-86	(2) 26-63

* Rating is for 2 hours. All others 1 1/2 hours.

MAINTENANCE:

None required. Replace batteries every 8 to 10 years according to ambient. However, we recommend that equipment be tested regularly in accordance with local codes.

NOTE: Servicing of any parts should be performed by qualified service personnel. Replace only with parts and batteries supplied by Sure-Lites.

OPERATION:

1. To test depress test switch. Charge indicator will go out and DC lamps will come on.
2. Release test switch. DC lamps will extinguish and charge light will come on.
3. A bright charge indicator indicates high charge. After the battery has reached full charge, the indicator light will dim.

CAUTION: This equipment is furnished with a sophisticated low voltage battery dropout circuit to protect battery from over discharge after its useful output has been used. Allow 24 hour recharge time after installation or power failure for full load testing.

TROUBLE SHOOTING HINTS:

EMERGENCY LAMPS DO NOT COME ON – PILOT LIGHT OUT BEFORE TEST.

1. Check AC supply - be sure unit has 24 hour AC supply
2. AC supply on - Charge light out. Replace printed circuit board.
3. Charge light on - Lamps do not light. Either output shorted or overloaded or battery not connected.

EMERGENCY LAMPS COME ON DIM

1. Battery discharged - permit unit to charge for 24 hours and then retest. If lamps are still dim, check charger for charge function. If functioning properly, replace battery.
2. Remote lamps dim - Check wire size to remote lamps against wire size chart.

If following the above trouble shooting hints does not solve your problem, contact your local Sure-Lites Representative or the factory for assistance.