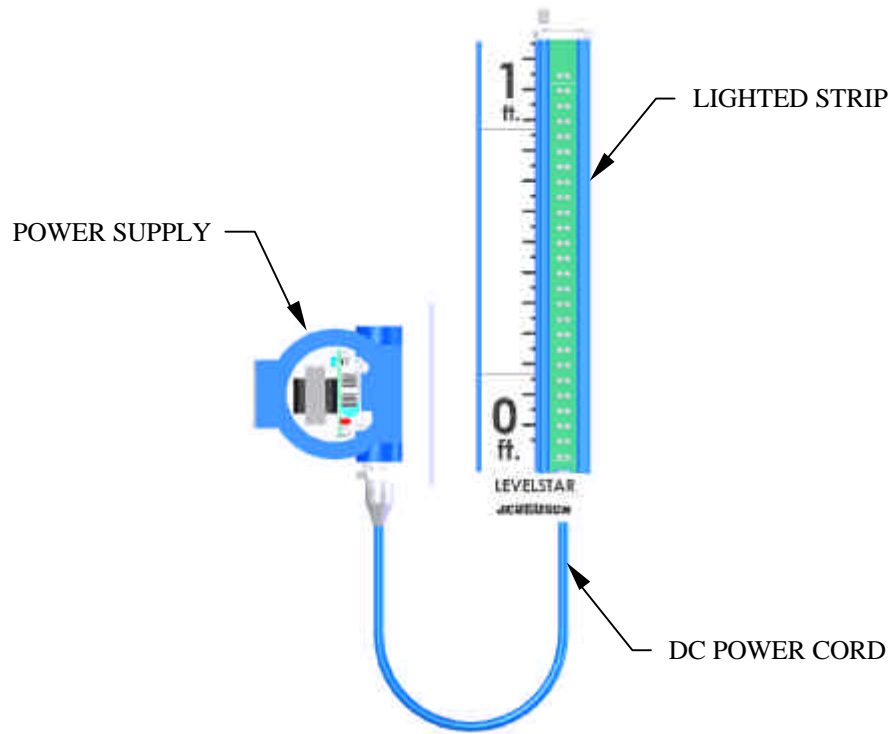


## Installation Instructions for LevelStar Power Supply Replacement Kit



LevelStar Indicator Assembly

### **Description:**

The LevelStar power supply kit offers easy field replacement for previously installed units. The kit includes the power supply, enclosure, and required power cables for connecting back to the indicator. For lighted strip lengths less than 120" use Jerguson part no. S-23578. For lighted strips greater than 120" use Jerguson part no. S-23579.

**CAUTION:** All lights are tagged with the service conditions for that particular unit. This information is located on the power supply housing. The ratings should be reviewed prior to installation and again prior to start-up, to ensure proper operation in the installed environment. Should there be any doubt as to the applicability of a unit for the installed environment, consult the factory before placing the unit into service.

### **Note:**

All installation steps should be performed by a qualified technician and should be executed in accordance with all applicable national and local codes.



## Step by step instructions:

### Note:

The existing wiring on the lighted strip must be verified prior to installation (see figures 1&2). Both the order and color of the wires must be verified. If the following wiring configurations are not present on the bottom of the lighted strip please consult the factory before installation of power supply.

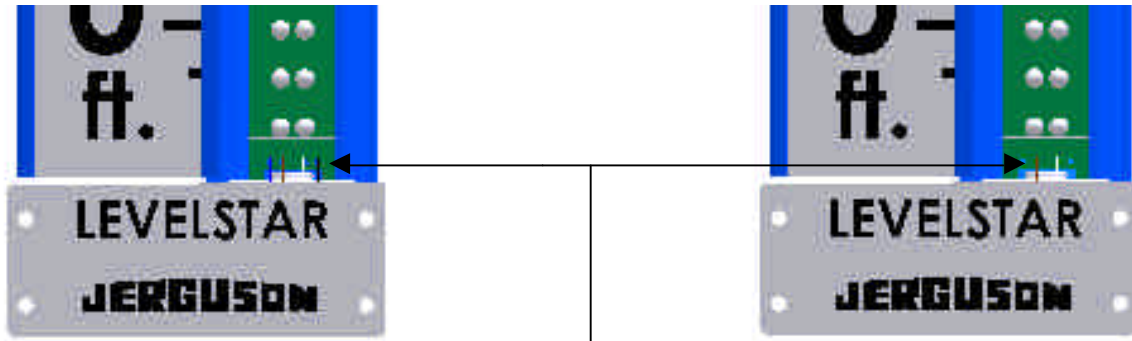


Figure 1  
4 wire units  
(From left to right)  
Position 1: Blue  
Position 2: Brown  
Position 3: White  
Position 4: Black

Figure 2  
2 wire units  
(From left to right)  
Position 1: Empty  
Position 2: Brown  
Position 3: White  
Position 4: Empty

### Power Supply Kit:

- 1) Turn off power at the circuit breaker.
- 2) Make sure there is no current at the terminal block before beginning work.
- 3) Disconnect the DC power cord from the power supply.
- 4) Disconnect and remove wiring from the “AC IN” terminal block.
- 5) Remove power supply from mounting location.
- 6) Install new power supply.
- 7) Connect the supply voltage to the terminal block.
- 8) If the installation is in a classified location, replace the cover to the enclosure at this point. If the area is not classified, the cover may be replaced after the unit’s function is verified.
- 9) Turn on power at the circuit breaker. Verify the LED in the power supply is lit. If not check the power source and connection before continuing.
- 10) If the LED in the power supply is lit, replace the cover on the power supply, and re-connect the light strip to the power supply.



**Note:**

Only red LED's should be lit after initial power up. If the float is installed two or three green LED's will also be lit showing the level of the vessel. If a random pattern of red and green LED's is lit then the following power up sequence must be followed.

- 1) Turn off power from the AC side of the power supply.
- 2) Disconnect the DC power cord from the power supply.
- 3) Turn on AC power source.
- 4) Re-connect the power cord to the power supply.
- 5) Verify the red LED light strip is lit.

**Note:**

The red LED's below the float can be reset to green by running a powerful magnet along the side of the lighted strip. Clark-Reliance recommends the following magnet, available from McMaster-Carr.

1" Diameter x 1/2" Thick Neodymium Magnet  
Part No.: 5862K38

For units over 120" two power supplies and the appropriate power cables will be supplied.

Repeat the above steps for both units (see figure 3). The power cords must be connected to the supplied splitter prior to the connecting to the lighted strip.

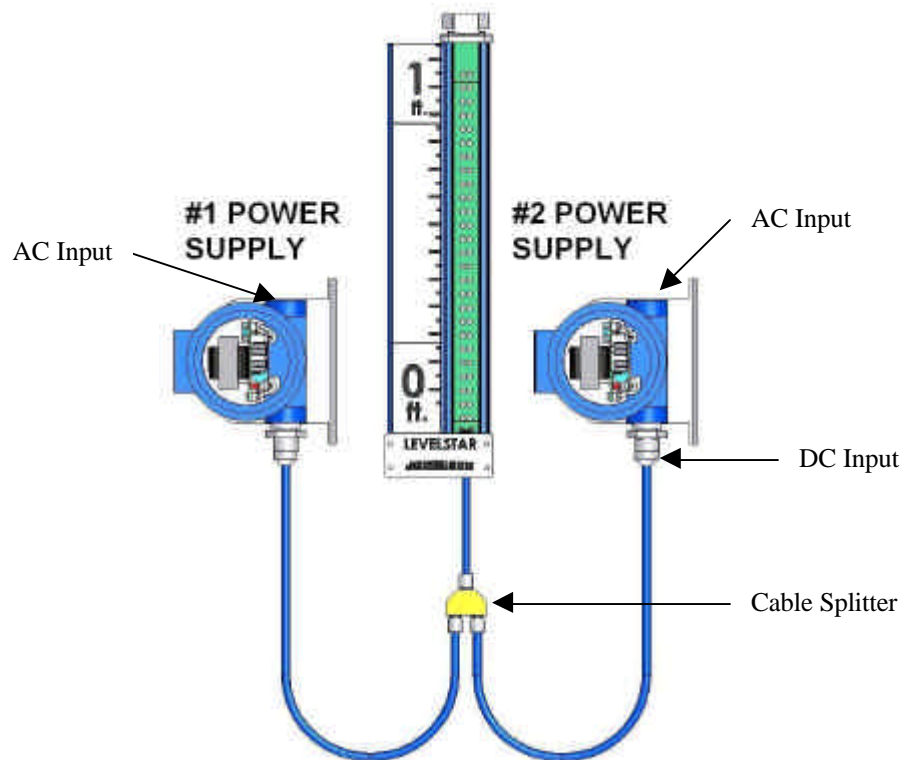


Figure 3  
Two Power Supplies