



TARPING SYSTEMS & ACCESSORIES

P/N 1127747 Rev. A

OWNER'S MANUAL

LITEALL

TM

WIRELESS LED WORK LIGHT



SMART2™ Remote

READ BEFORE INSTALLING

PO BOX 713 ■ 2309 SHUR-LOK STREET ■ YANKTON, SD 57078-0713
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Returns of a product for warranty must be accompanied by a Return Merchandise Authorization number (RMA#), obtained by calling Customer Service at 866-748-7435, and sent, with freight paid by us, to Shur-Co®, LLC, 2309 Shur-Lok St., PO Box 713, Yankton, SD 57078. All products returned without an RMA# will be refused. When we issue the RMA#, we will also issue a call tag to have UPS (or other freight company) pick up the product. C.O.D. returns not accepted. We will pay no storage fees for a warranty product return prior to pick by us or the freight company. If a warranty product return is scheduled to be picked up by us, we will pick up the product at our earliest convenience.

If a product returned is found, in our judgement, to be defective in material or workmanship, our obligation under this warranty is limited to the repair or replacement of the product, which will be made by us. Repair or replacement will be at our discretion, with replacements being made using current products performing in the equivalent function. Labor charges, other than those incurred at our factory, including, but not limited to, any labor to install a repaired or replacement product, are not covered under this warranty. All expenses associated with delivering defective products to our factory and delivering repaired or replacement products from our factory to the owner will be paid by us.

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In no event will we be liable for any damages of any kind to person, product or property, including but not limited to indirect, incidental, special, consequential or punitive damages, or damages for loss of profits or revenue, even if we have been advised of the possibility of such damages. There are no warranties for used products or products that have been repaired, altered, modified or subjected to misuse, negligence or accident. We will not repair or replace products that fail or malfunction due to ordinary wear and tear, except as expressly noted in a product-specific warranty. Use of non-Shur-Co®, LLC parts in conjunction with Shur-Co®, LLC products will void this product warranty.

*Certain products have specific warranties that differ from this warranty, for example motors and electronics. Product-specific warranty documentation is available for these items. In the event of a conflict between this warranty and a product-specific warranty, the product-specific warranty will govern.

RETURN POLICY. All sales final. See WARRANTY above for return details.

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For more info, log on to our website:

www.shurco.com

MESSAGE TO OWNERS

Thank you for buying this product from Shur-Co®. We appreciate your confidence in our products. Please read and thoroughly understand this manual before installing and/or operating this system.

Pay particular attention to important safety and operating instructions, as well as warnings and cautions. The hazard symbol  is used to alert users to potentially hazardous conditions and is followed by caution, warning or danger messages.

Failure to READ AND FOLLOW INSTRUCTIONS could result in failure of your system and/or personal injury. Your trailer requirements may, however, call for minor variations to these instructions.

Please inspect your system periodically. Repair or replace worn or damaged parts to your system.

QUESTIONS? CALL OUR HELP LINE:

1-866-748-7435

MON-FRI 8 AM-5 PM CENTRAL TIME

SAFETY

We at Shur-Co® are concerned with your safety and the safety of all those operating this system. Therefore, we have provided safety decals at various locations on your system. Keep decals as clean as possible at all times. Replace any decal that has become worn or damaged, painted over or otherwise difficult to read. Replacement decals are available through Shur-Co® dealers.

SAFETY INSTRUCTIONS

- 1. Always wear safety glasses during installation.**
- 2. Keep body and clothing clear of moving parts.**
- 3. No other use of this system is authorized, except as designed.**

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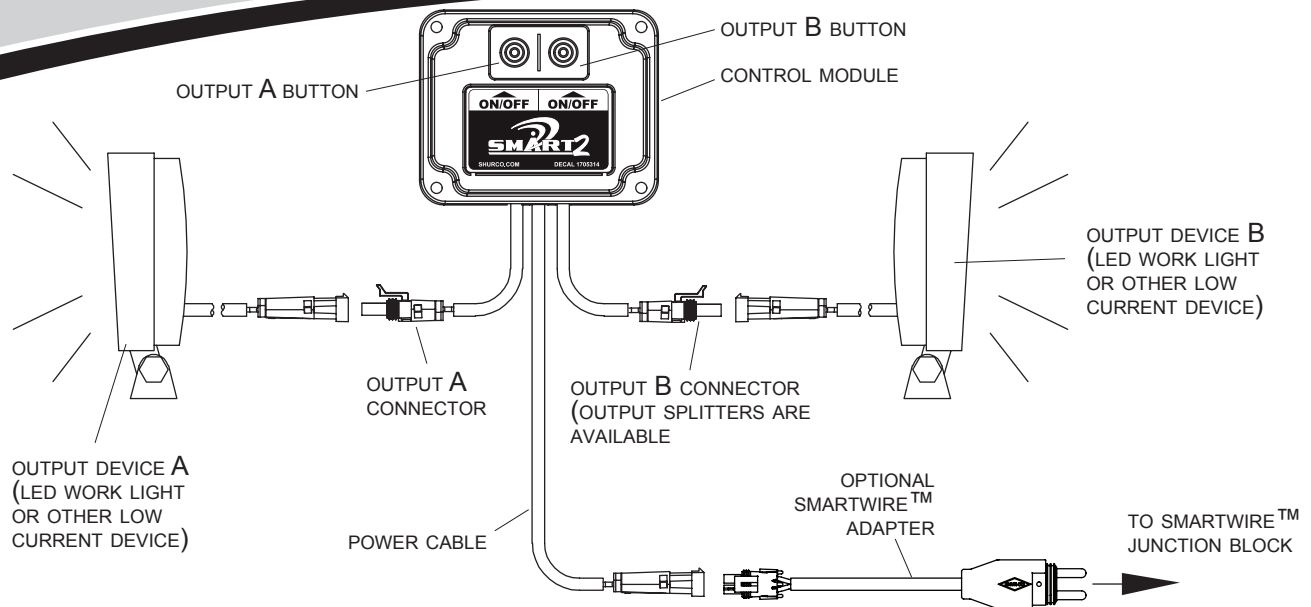
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SMART2™ LiteALL™ module has been specifically designed for use with Shur-Co's exclusive SMART2™ wireless remote. Module has two outputs which operate independently using integrated push buttons and has option of linking two outputs when controlled via SMART2™ remote.

Utilizing optional output splitters, up to four high-intensity Shur-Co® LED work lights can be connected to each output. Also available are output extension cables, conveniently allowing high-intensity LED work lights to be mounted where needed. SMART2™ LiteALL™ is a valuable addition to Shur-Co's SMARTrailer™ lineup.

- SMART2™ LiteALL™ control module has two output channels which can be controlled independently or together in linked mode using integrated push buttons.
- Output splitters are available, allowing up to four high-intensity LED work lights to be connected to each output.
- Extension cables are available, allowing convenient and useful mounting options for work lights and other devices.
- Control module is quick and easy to introduce to an additional SMART2™ remote.
- Use your SMART2™ remote to control multiple SMART2™ LiteALL™ modules. You can assign custom names to each module and to both outputs on each module.

Specifications

- System voltage: 10 to 16 volts DC
- System current: 8 amps maximum per channel (four Shur-Co® LED work lights per channel)
- Reverse polarity protection: Yes
- Work light output: 1600 lumens
- Work light power: 24 watts
- Work light IP rating: IP67
- Work light life: 30,000 hours estimated

SMART2™ LITEALL™ OPERATION

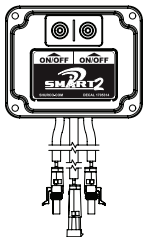
- When SMART2™ LiteALL™ module is connected to 12-volt power source, outputs can be turned on manually or with a paired SMART2™ remote.
- To manually control module, simply press OUTPUT A button on module to toggle device(s) connected to OUTPUT A channel. Press OUTPUT B button on module to toggle device(s) connected to OUTPUT B channel.
- To remotely control LiteALL™ module after it has been introduced to SMART2™ remote, select LiteALL™ module from main menu on remote screen. Refer to section on programming remote to control module for more information.

Press left operational button directly beneath remote screen to toggle device(s) connected to OUTPUT A on and off. Press right operational button directly beneath remote screen to toggle device(s) connected to OUTPUT B on and off.

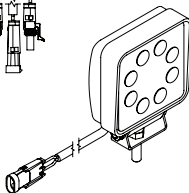
Linked Output Mode:

Press either operational button directly under remote screen to simultaneously toggle both outputs on or off. See section on setting operating mode for more information.

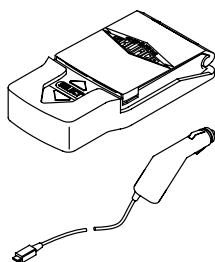
A 1127810 SMART2™ LiteALL™ Control Module



B 1122706 LED Work Light - 24 Watt (w/WeatherPack Connector)

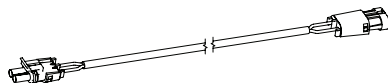


C **1122108 SMART2™ Remote Kit**
SMART2™ Transmitter w/Charging Cradle

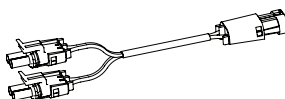


1704958 SMART2™ Charging Cable

D 1122704 Extension Cable - 20' (w/WeatherPack Connector)



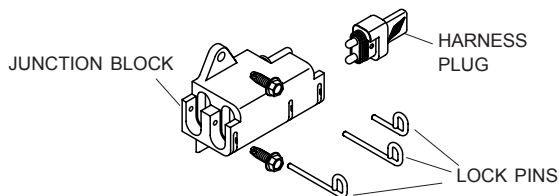
E 1122705 LiteALL™ Output Splitter (w/WeatherPack Connector)



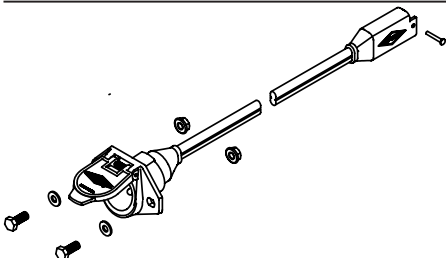
F 1122690 SMARTwire™ Power Cable Adapter (w/WeatherPack Connector)



G **1120849 Junction Block Kit w/Harness Plug**



H 1120670 SMARTwire™ Dual-Conductor Socket

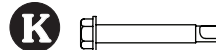


1127546 Hardware Bag

SMART2™ LiteALL™ Module Mounting Hardware (Included With Replacement Module P/N 1127810)



1704405 Pan Hd. Self-Drilling Screw - #8 x 3/4" (qty. 6)



1706007 Hex Head Self-Drilling Screw #12 x 1-1/2" (qty. 4)



1704699 Nylon Wire Clip - 5/16" Natural (White) (qty. 6)



1703282 Rubber Grommet - 7/8" x 1-5/8"

1120672 Hardware Bag

LED Work Light Cable Routing Hardware (Order One w/Each Additional Work Light)



1704405 Pan Hd. Self-Drilling Screw - #8 x 3/4" (qty. 6)



1704698 Nylon Wire Clip - 1/4" Black (qty. 6)



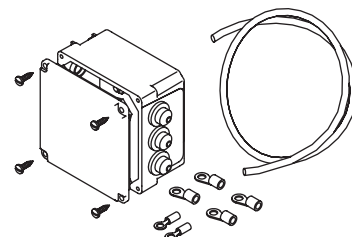
1704397 Rubber Grommet - 7/16" x 15/16"

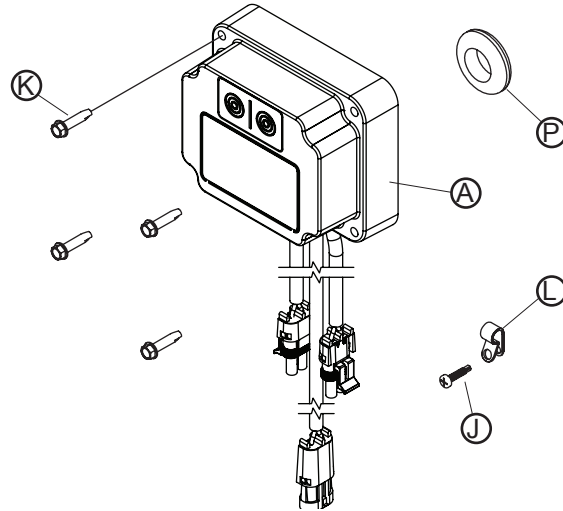


1703282 Rubber Grommet - 7/8" x 1-5/8"

W **1120504 LiteALL™ Junction Box Kit**

- Allows for splicing into 12-volt power and ground connection on non-SMARTwire™ 4500 Series systems (remote systems only).
- Includes 6-ga. x 1/4" stud ring terminals (qty. 4) and 3' 6-ga. wire.





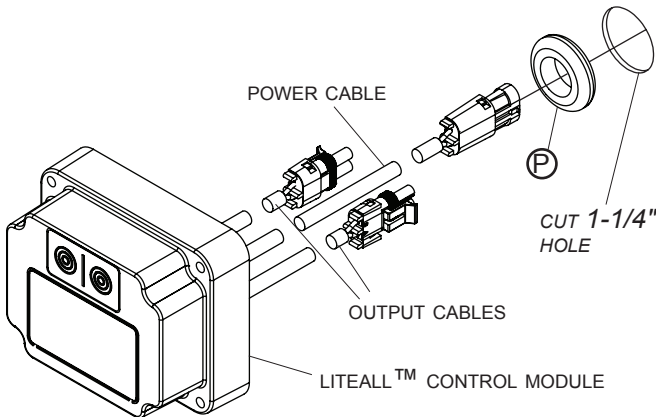
Item Description

- A. Control Module
- J. Pan Head Self-Drilling Screw #8 x 3/4"
- K. Hex Head Self-Drilling Screw - #12 x 1-1/2"
- L. Nylon Wire Clip - 5/16" Natural
- P. Rubber Grommet - 7/8" x 1-5/8"

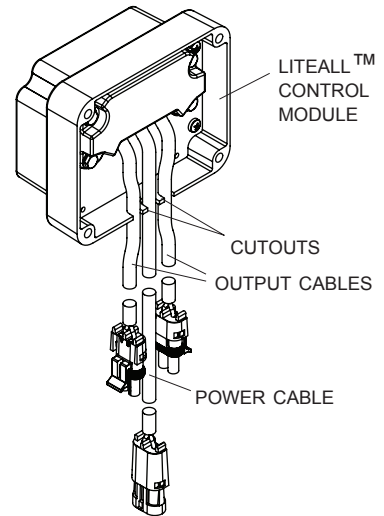
STEP 1: Review wiring diagram. Determine mounting location for LiteALL™ control module. If SMART2™ remote will be used to operate module, it is recommended to locate module where user will have direct line of sight to module while operating remote.

NOTE: Keep in mind that power cable on module is 8' long and must be connected to 12 volts.

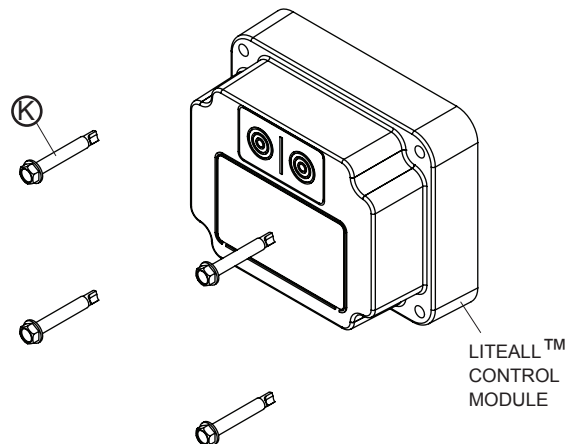
STEP 2: If power and/or output cables are to pass THROUGH mounting surface (.150" max. wall thickness), use 1-1/4" hole saw to cut hole directly behind module. Pass cables through grommet P, then insert grommet into hole.



STEP 3: If power and/or output cables are NOT being routed through mounting surface, route through cutouts in bottom sidewall of LiteALL™ control module.



STEP 4: Fasten LiteALL™ control module to mounting surface with four self-drilling screws K.

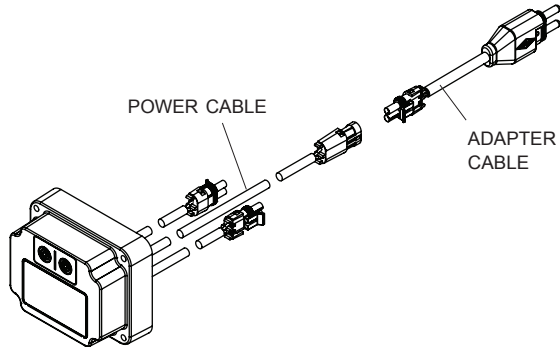


STEP 5: Route power cable from LiteALL™ module to power source. Refer to wiring diagram.

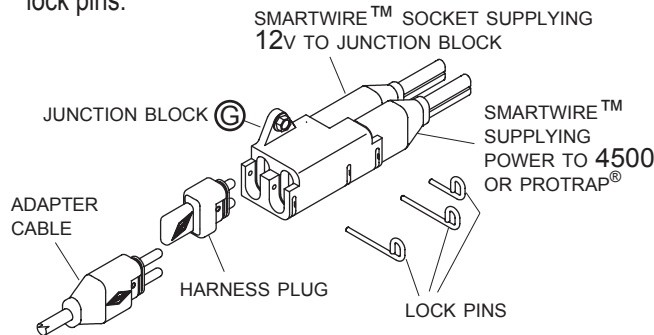
STEP 6: Disconnect power from power source. Prepare power cable for connection to power source and connect as follows:

POWER SUPPLIED FROM SMARTWIRE™ CONNECTION

- Connect LiteALL™ power cable to SMARTwire™ adapter cable.

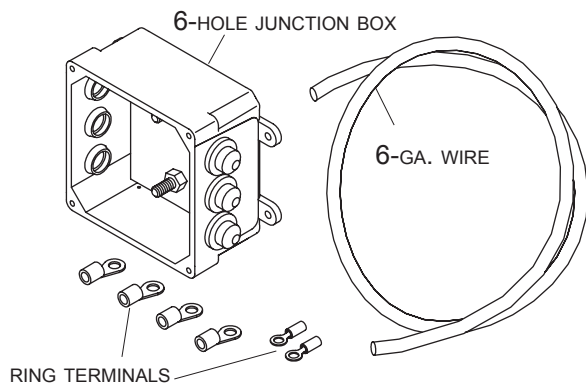


- Plug adapter cable into junction block **G** and secure with lock pins.

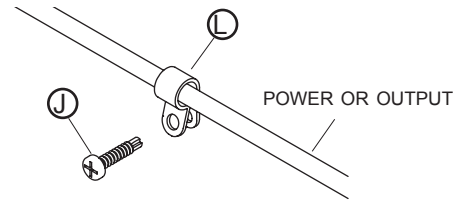


POWER SUPPLIED VIA OTHER MEANS

- White wire is positive. Connect white wire to positive 12-volt. Black wire is negative. Connect black wire to negative post.
- Do not leave power connections exposed to elements. If needed, optional sealed junction box kit **U** is available.



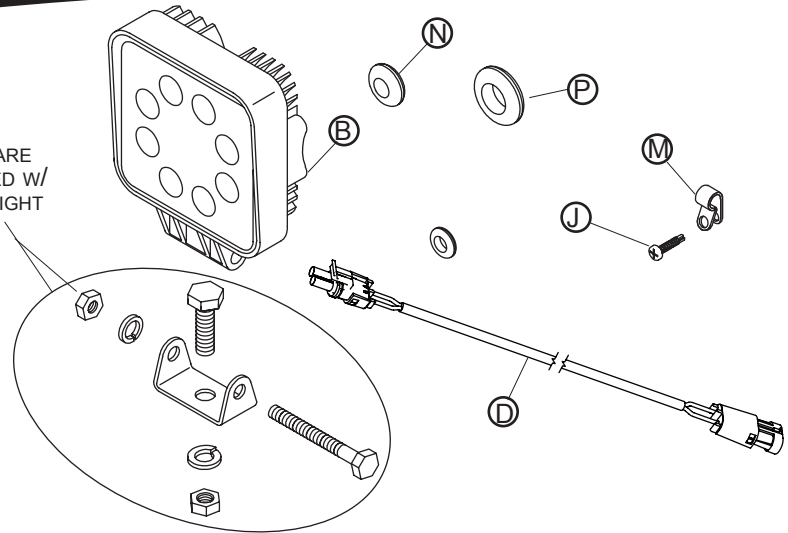
STEP 7: Use wire clips **L** and/or cable ties to secure power and output cables. Use drill and #2 Phillips bit to self-drill screws **J** and secure wire clips.



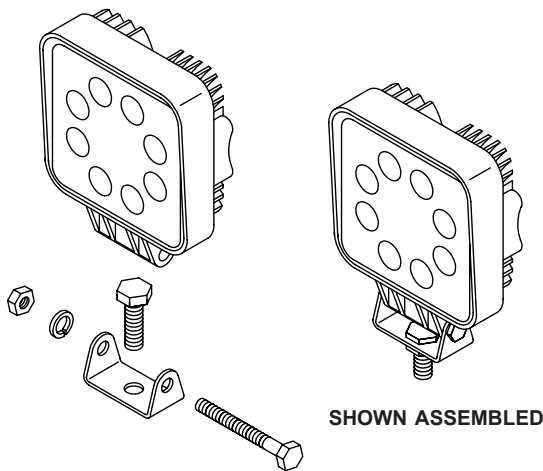
Item Description

- B. LED Work Light - 24 Watt
- D. Extension Cable - 16 Ga. 2 Conductor - 20'
- J. Pan Hd. Self-Drilling Screw - #8 x 3/4"
- M. Nylon Wire Clip - 1/4" - Black
- N. Rubber Grommet - 7/16" x 15/16"
- P. Rubber Grommet - 7/8" x 1-5/8"

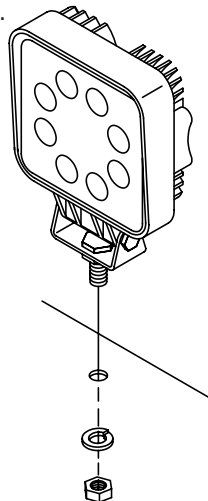
HARDWARE
SUPPLIED W/
WORK LIGHT



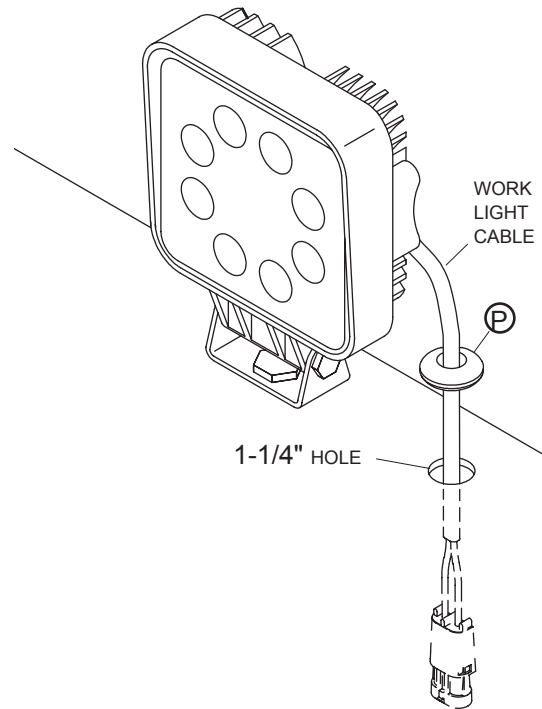
STEP 1: Use 1/2" and 9/16" combination wrenches to assemble LED work light mounting brackets. Use hardware found in LED work light boxes as shown.



STEP 2: Drill 13/32" hole in desired location for work light mounting stud. Insert stud through hole and use 11/16" combination wrench to fasten lock washer and mounting nut.



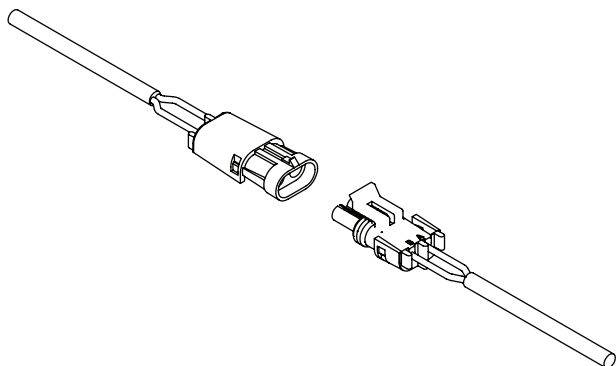
STEP 3: If work light cable is to be passed through mounting surface, use 1-1/4" hole saw to cut hole for grommet P. Thread work light cable through grommet, then insert grommet into hole.



NOTE: If WeatherPack pin removal tool (Delphi P/N 12014012) is available, smaller grommet can be used. Remove plastic connector from pins, drill 11/16" hole, pass pins through grommet and drilled hole, then re-attach plastic connector (B side to black wire) and insert grommet N.

STEP 4: Route work light cable to LiteALL™ control module. Verify cable routing before securing cable. If 20' extension cable **(D)** is needed, route extension cable between LiteALL™ control module and work light cables.

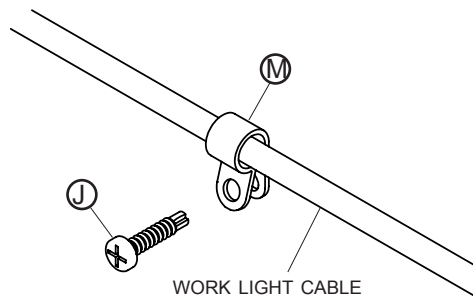
NOTE: If needed, 20' extension cables are available (see parts list).



NOTICE

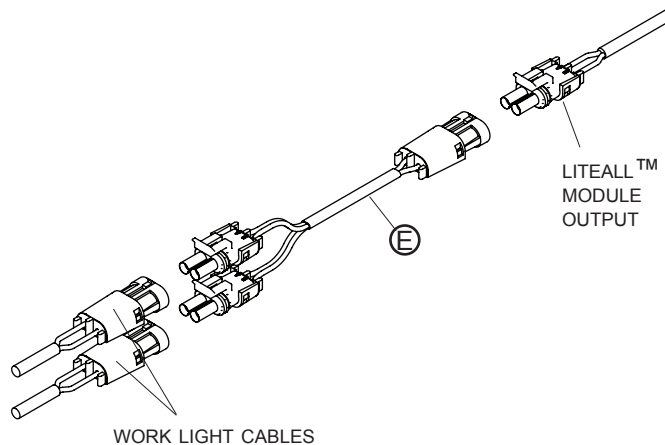
Do not power any Shur-Co® wireless system with battery charger alone, as this will likely cause system abnormalities and/or system malfunction. Instead, use a 12-volt truck/automobile battery to provide power to trailer.

STEP 5: Use wire clips **(M)** and/or cable ties to secure work light and extension cables. Use drill and #2 Phillips bit to self-drill screws **(J)** to secure wire clips.



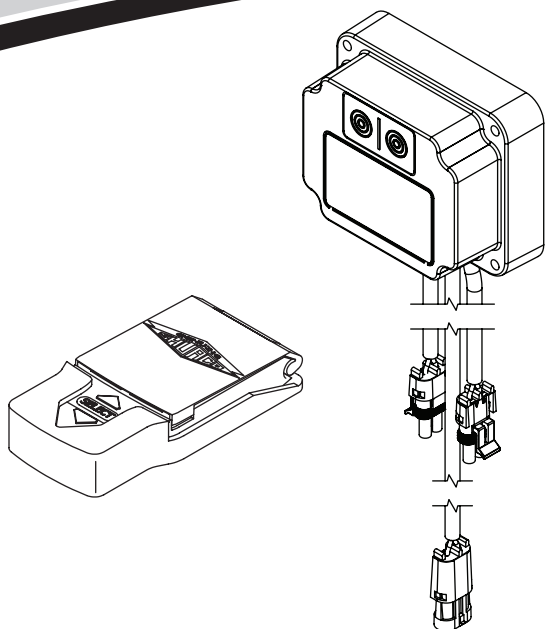
STEP 6: Coil and secure any excess cable with cable ties.

STEP 7: Repeat steps above for each additional work light. If more than one work light is to be connected to either LiteALL™ module output, insert output splitter **(E)**.



CAUTION

Disconnect LiteAll™ before welding onto truck or trailer. Failure to disconnect module may cause damage and will void warranty.



Pairing devices (introducing remote to LiteALL™):
 Before remote can operate LiteALL™ module, they must be paired, or introduced. If remote must be introduced to LiteALL™ module, or if second remote is purchased later, follow instructions below:

NOTE: Refer to SMART2™ remote Owner's Manual for complete remote instructions.

STEP 1: Make sure LiteALL™ control module is connected to power.

STEP 2: From Main Menu on SMART2™ remote, arrow to **Setup** option and press Select.

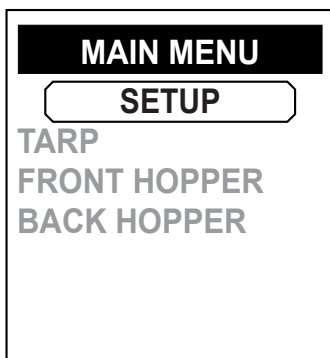


FIGURE 1

STEP 3: Arrow to **Add Device** and press Select.

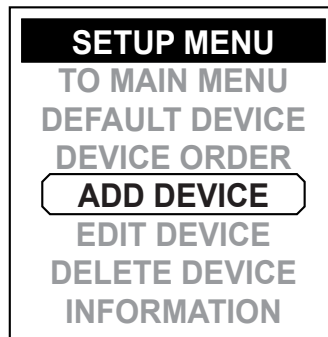


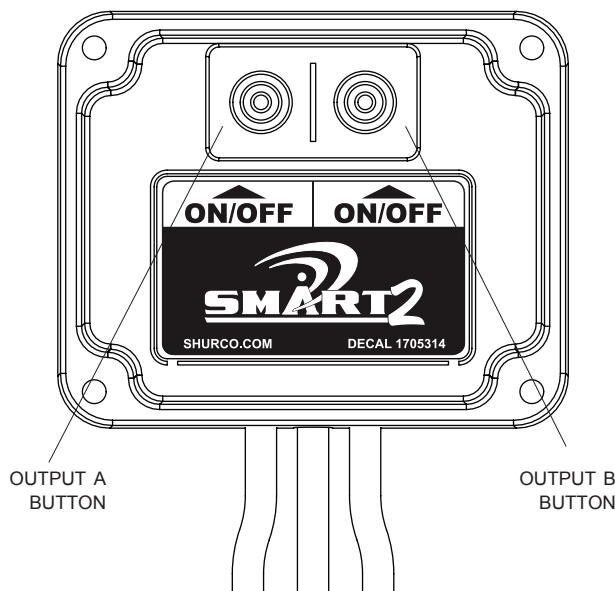
FIGURE 2

STEP 4: Remote will now be waiting for receiver to enter pairing mode.



FIGURE 3

STEP 5: On LiteALL™ control module, press and hold both OUTPUT A and OUTPUT B buttons for approximately six seconds.



STEP 6: Remote will confirm it has detected LiteALL™ module. Verify device type is LIGHT and press Select.



FIGURE 5

NOTICE

If the device type is incorrect, call the Shur-Co® Help Line. You can damage your system if you operate the wrong device-type receiver on your system.

STEP 7: You may rename device at this time, or it can be done later, if desired. If you choose to rename at this time, see section on renaming device in your SMART2™ remote Owner's Manual. If current name is acceptable, highlight **Accept** and press Select to continue.

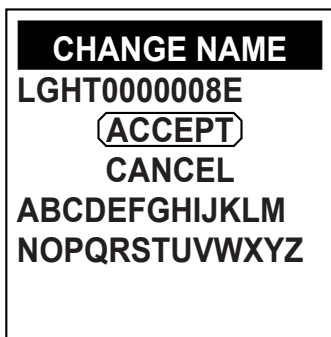


FIGURE 6

STEP 8: Remote will display INFO SAVED to confirm remote has been successfully introduced to LiteALL™.

STEP 9: Repeat steps 1 to 8 for any additional remotes to be programmed to LiteALL™ module.

Setting operating mode (linked or unlinked outputs):
Using SMART2™ remote, you may link OUTPUTS A and B so they turn on or off together when using remote. This is referred to as LINKED MODE.

At any time, remote can be set to operate LiteALL™ module in LINKED or UNLINKED mode by following these instructions:

STEP 1: From main menu on SMART2™ remote, arrow to **Setup** option and press Select.

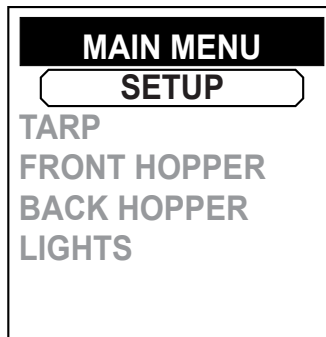


FIGURE 7

STEP 2: Arrow to **Edit Device** and press Select.

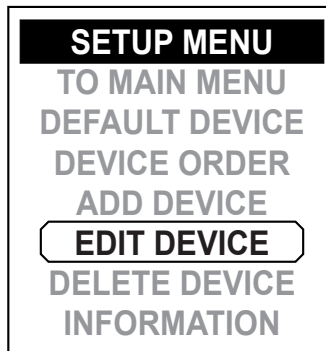


FIGURE 8

STEP 3: Arrow to device for which you want to change operating mode and press Select.



FIGURE 9

STEP 4: Highlight **Default Mode** and press Select.

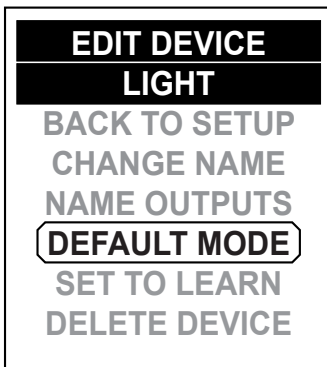


FIGURE 10

STEP 5: Highlight desired operating mode and press Select.

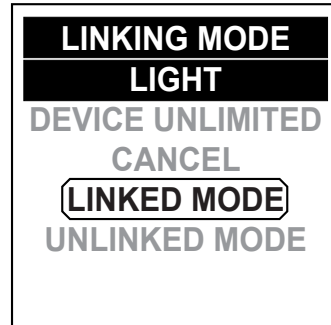


FIGURE 11

STEP 6: Remote will confirm that mode has been changed. Press Select to finish.

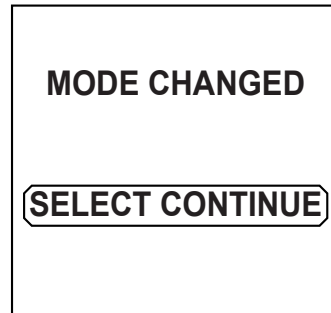


FIGURE 12

Renaming Outputs (Outputs A and B):

In addition to giving LiteALL™ module a custom name on your SMART2™ remote, you can also rename each output displayed on operational screen by following this procedure:

STEP 1: From Main Menu, arrow to **Setup** and press Select.

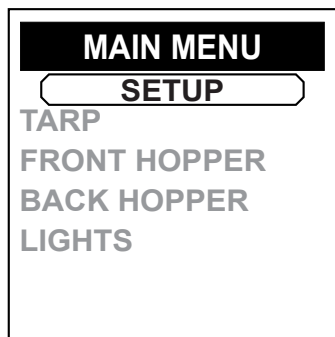


FIGURE 13

STEP 2: Arrow to **Edit Device** and press Select.

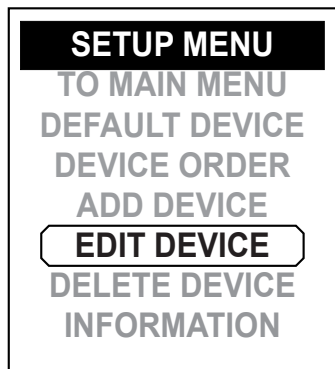


FIGURE 14

STEP 3: Use arrow buttons to highlight LiteALL™ device you wish to edit, then press Select.

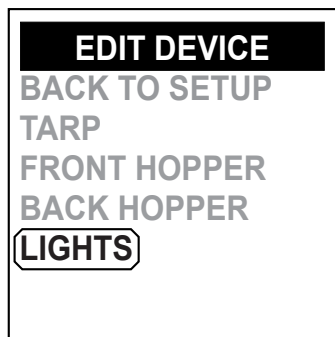


FIGURE 15

STEP 4: Highlight **Name Outputs** and press Select.

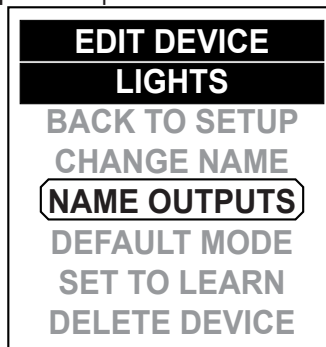


FIGURE 16

STEP 5: Arrow up or down to highlight back arrow symbol and press Select to delete unwanted characters.

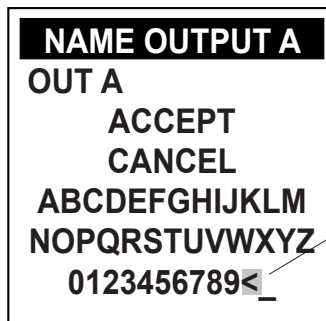
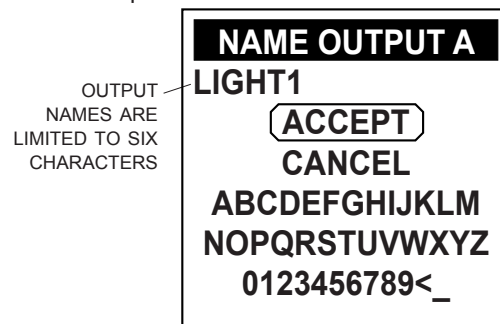


FIGURE 17

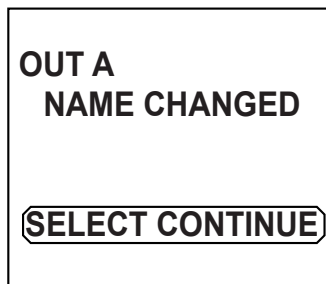
STEP 6: Arrow up or down to desired characters and enter by pressing Select. When done, arrow to **Accept** and press Select.



OUTPUT NAMES ARE LIMITED TO SIX CHARACTERS

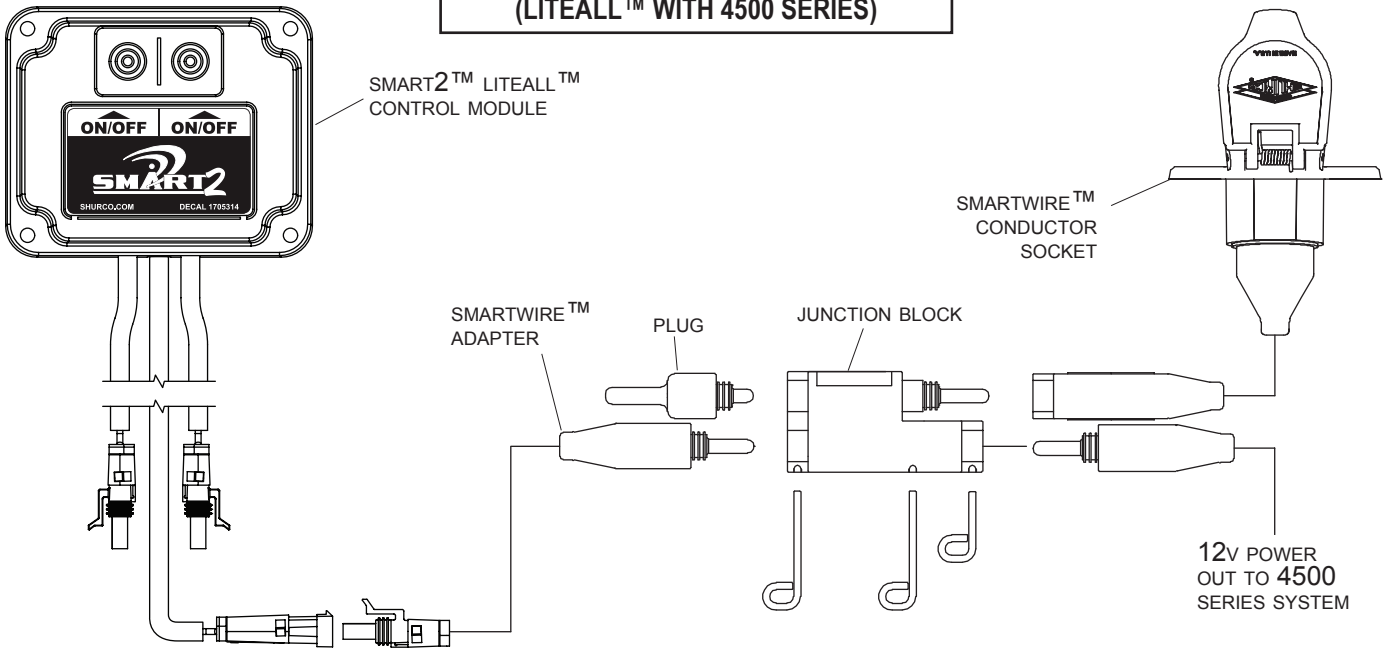
FIGURE 18

STEP 7: Remote will confirm name has been changed. Press Select button to finish.

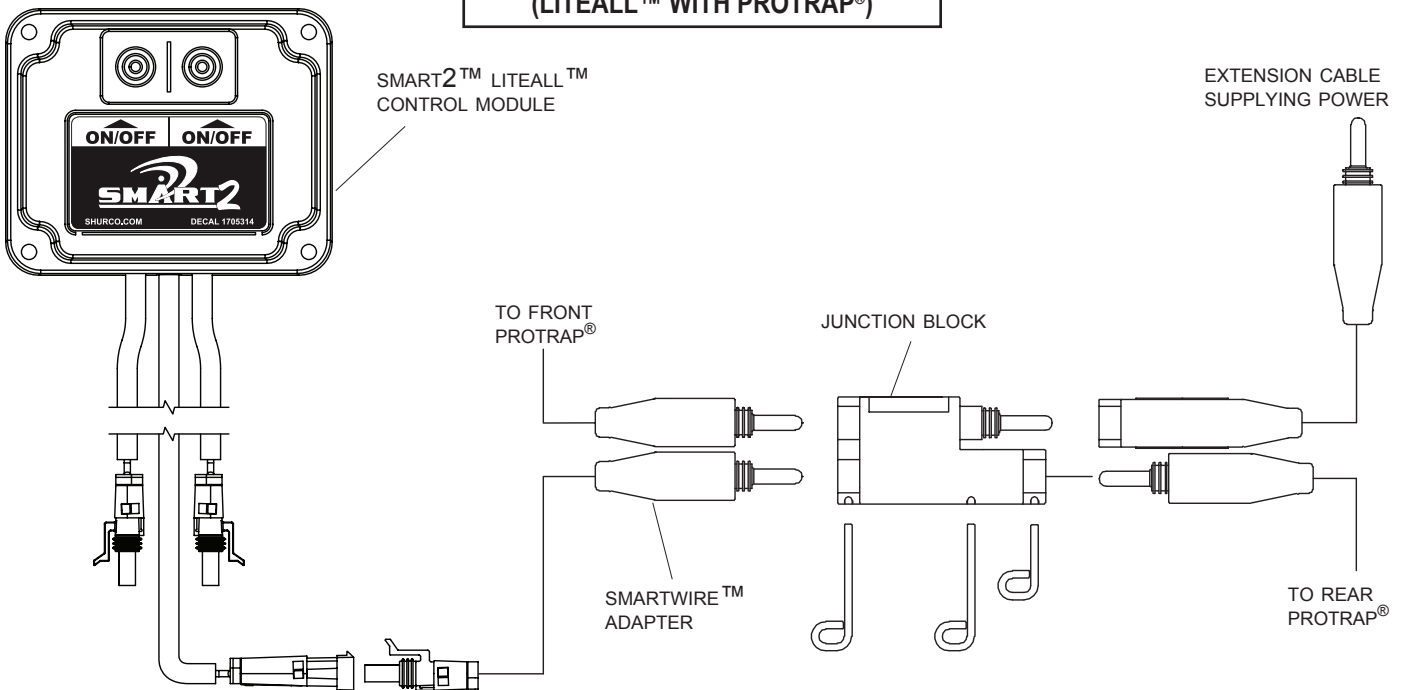


STEP 8: Repeat steps 5 through 7 for OUTPUT B.

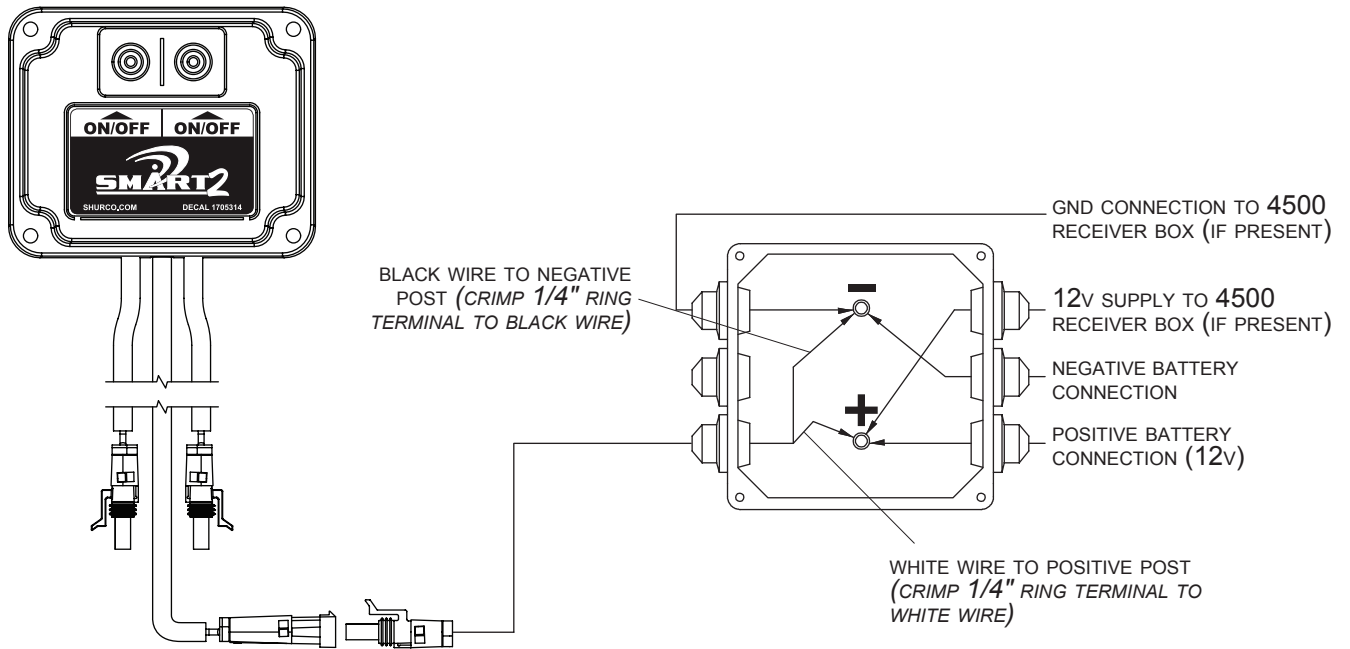
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