



A Safe Fleet Brand

# Roll Rite Automated Tarp System Remote Control Owner's Guide

---

*On behalf of Roll Rite, we wish to thank you for your purchase of our Automated Tarp Systems*

## **Our Mission**

*Roll-Rite® designs and manufactures state-of-the-art, automated tarp systems for the heavy duty trucking industry serving the Construction, Agriculture, Waste and Recycling markets. Our systems quickly and reliably cover and protect payloads, create a safer working environment for drivers, and maximize your return-on-investment by increasing revenue and reducing cost of ownership*



A Safe Fleet Brand

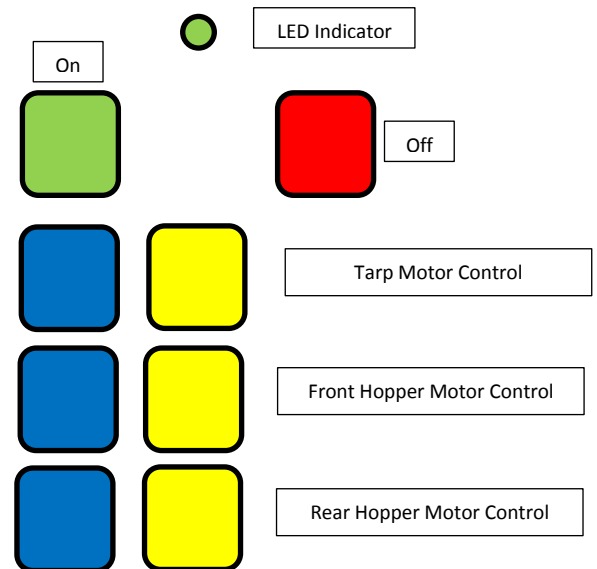
|                                                                          |    |
|--------------------------------------------------------------------------|----|
| Our Mission .....                                                        | 1  |
| Roll Rite RF Receiver and Transmitter Users Guide .....                  | 3  |
| RF Transmitter, Grain Trailer System (GTX) .....                         | 3  |
| Roll Rite RF Receiver and Transmitter Users Guide .....                  | 4  |
| RF Transmitter, Gen 1+ Dual Motor, 6 button .....                        | 4  |
| Roll Rite RF Receiver and Transmitter Users Guide .....                  | 5  |
| RF Transmitter, Single Tarp Motor System .....                           | 5  |
| RF Receiver and Switch .....                                             | 6  |
| Connecting RF Receiver to Motor Controller .....                         | 6  |
| Installation Requirements .....                                          | 6  |
| Installation Procedure .....                                             | 7  |
| Gen1+ Rite Touch® Solid State Motor Reversing Relay with RF .....        | 8  |
| Tarp System Fully Uncovered to the Left of the Driver .....              | 8  |
| Gen1+ Rite Touch® Solid State Motor Reversing Relay with RF Switch ..... | 9  |
| Tarp System Fully Uncovered to the Right of Driver .....                 | 9  |
| Horizontal Trailer Plug Set .....                                        | 10 |
| Vertical Trailer Plug Set .....                                          | 11 |
| Specifications .....                                                     | 12 |
| FCC Statement of Compliance .....                                        | 12 |
| IC Statement of Compliance .....                                         | 12 |
| IC Déclaration de Conformité .....                                       | 13 |



A Safe Fleet Brand

## Roll Rite RF Receiver and Transmitter Users Guide

### RF Transmitter, Grain Trailer System (GTX)

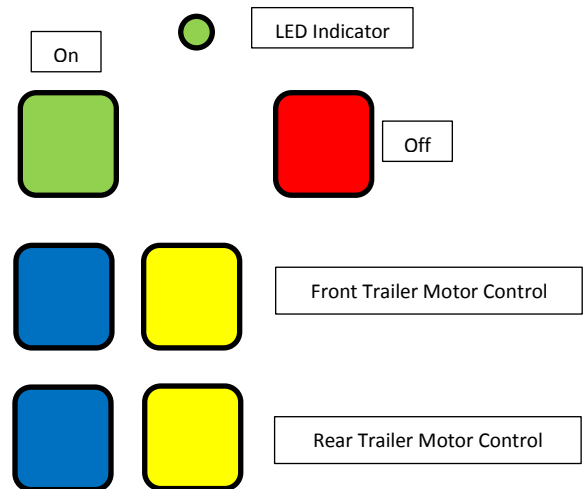
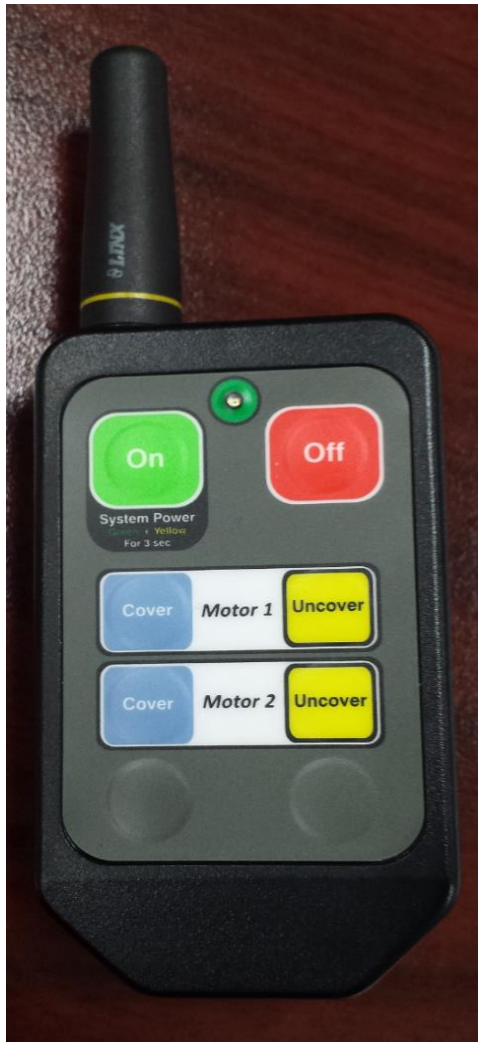




A Safe Fleet Brand

## Roll Rite RF Receiver and Transmitter Users Guide

### RF Transmitter, Gen 1+ Dual Motor, 6 button

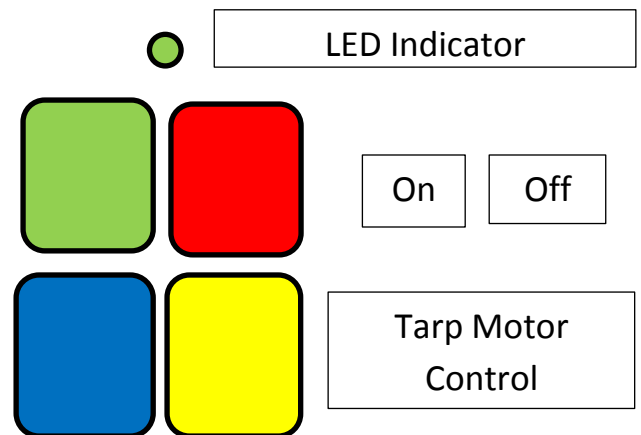




A Safe Fleet Brand

## Roll Rite RF Receiver and Transmitter Users Guide

### RF Transmitter, Single Tarp Motor System





A Safe Fleet Brand

## RF Receiver and Switch



## Connecting RF Receiver to Motor Controller

### Installation Requirements

- All electrical terminals shall be coated with dielectric grease, Synthetic NLGI Grade 2 or equivalent
- Remove negative electrical terminals of all chassis batteries prior to installation of Roll Rite components
- Roll Rite motor relay and Radio Frequency Receiver shall be installed on a vertical plane with the wires from terminals facing down. This is the only approved installation orientation for Roll Rite electrical components
- Torque Motor Relay Terminal 7/16" fasteners to 8 ft.lb (11 Nm)



A Safe Fleet Brand

## Installation Procedure



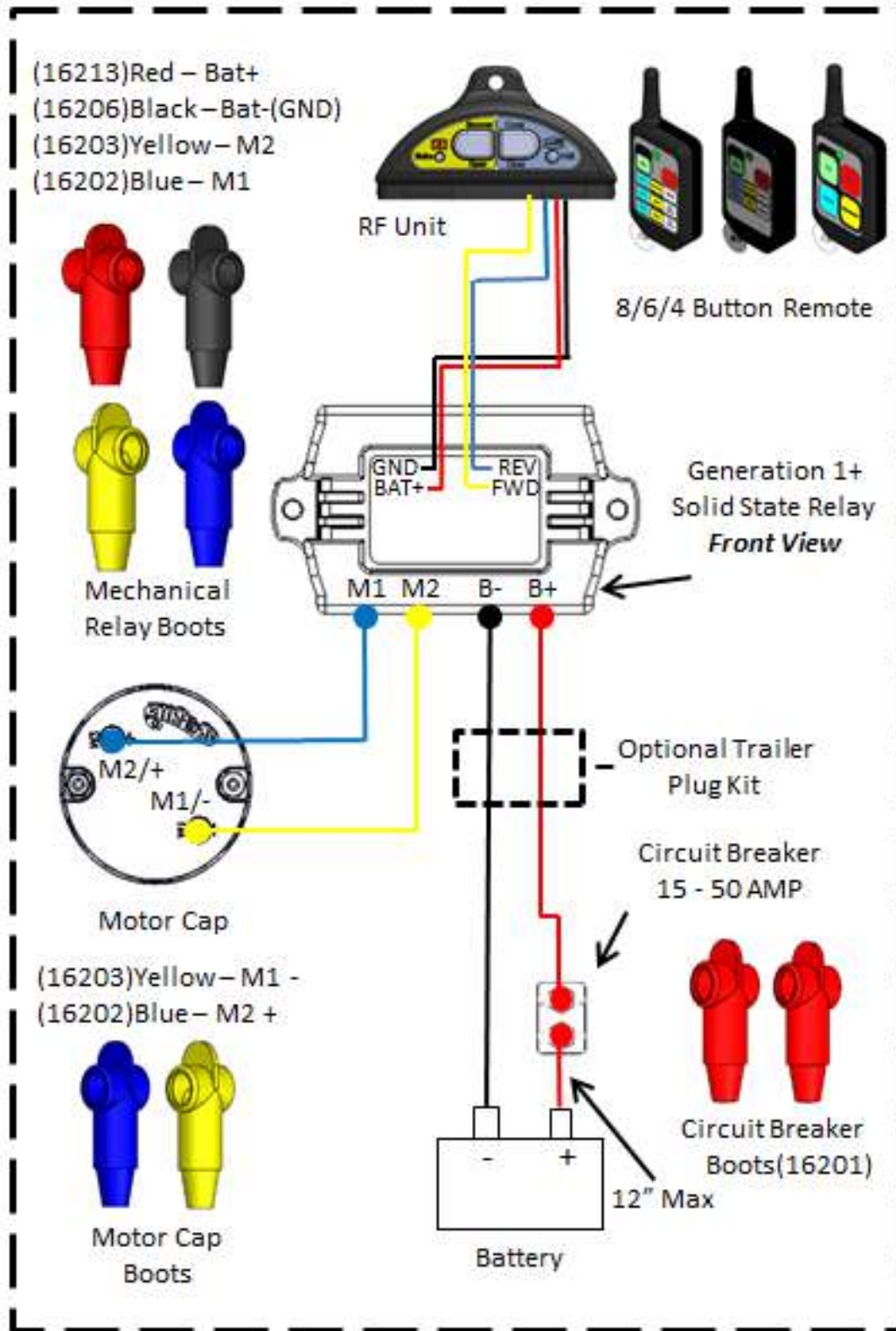
**Roll Rite Automated Tarp Systems contain potentially hazardous energy which must be isolated prior to service and installation of components. Failure to complete all instructions in the order stated may result in injury or destruction of property**

1. Disconnect all Main Battery Terminals from the Vehicle Battery System. This will isolate stored electrical energy from Roll Rite tarp system components during service.
2. Connect Roll Rite Motor Controller
  - a. Connect Blue Motor Cable to M1 Terminal, Slide Blue Boot over Terminal connection
  - b. Connect Yellow Motor Cable to M2 Terminal, Slide Yellow Boot over Terminal connection
  - c. Connect Positive Power to Bat+ Terminal, Slide Red Boot over Terminal connection
  - d. Connect Negative Power to GND Terminal, Slide Black Boot over Terminal connection
3. Connect Radio Frequency Receiver to Roll Rite Motor Controller
  - a. Add dielectric grease to all ¼" spade terminals of the Radio Frequency Receiver and Motor Controller
  - b. Following the color coded label on the motor controller:
    - i. Connect ¼" Flag Terminal of **Yellow** Wire to FWD Terminal
    - ii. Connect ¼" Flag Terminal of **Blue** Wire to REV Terminal
    - iii. Connect ¼" Flag Terminal of **Red** Wire to BAT+ Terminal
    - iv. Connect ¼" Flag Terminal of **Black** Wire to GND Terminal
4. Install Motor Relay and RF Receiver on vehicle chassis, following installation requirements in this document
5. Connect Main Negative Battery Terminals to Main Negative Wires on Chassis Wiring Harness



A Safe Fleet Brand

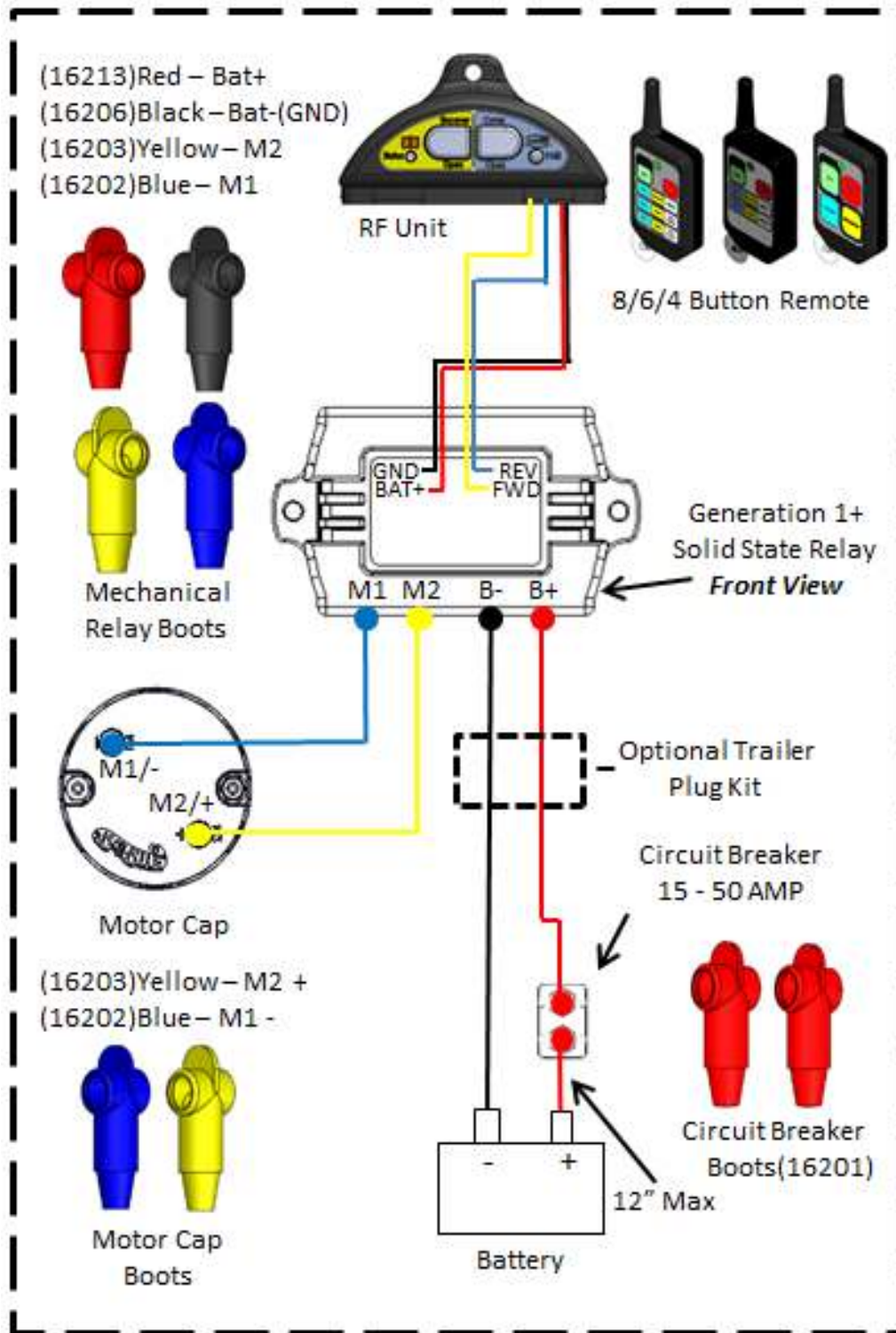
## Gen1+ Rite Touch® Solid State Motor Reversing Relay with RF Tarp System Fully Uncovered to the Left of the Driver





A Safe Fleet Brand

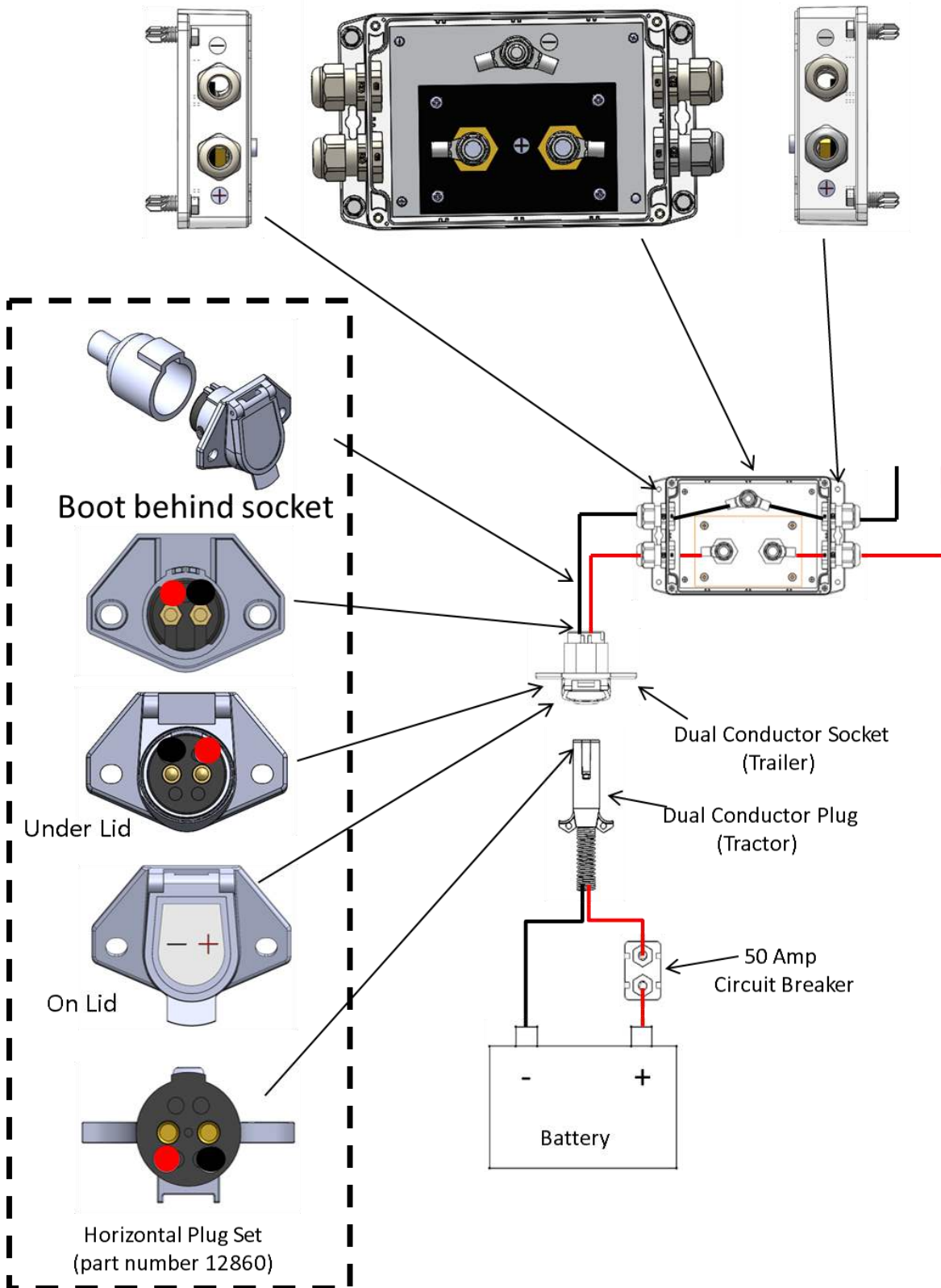
## Gen1+ Rite Touch® Solid State Motor Reversing Relay with RF Switch Tarp System Fully Uncovered to the Right of Driver





A Safe Fleet Brand

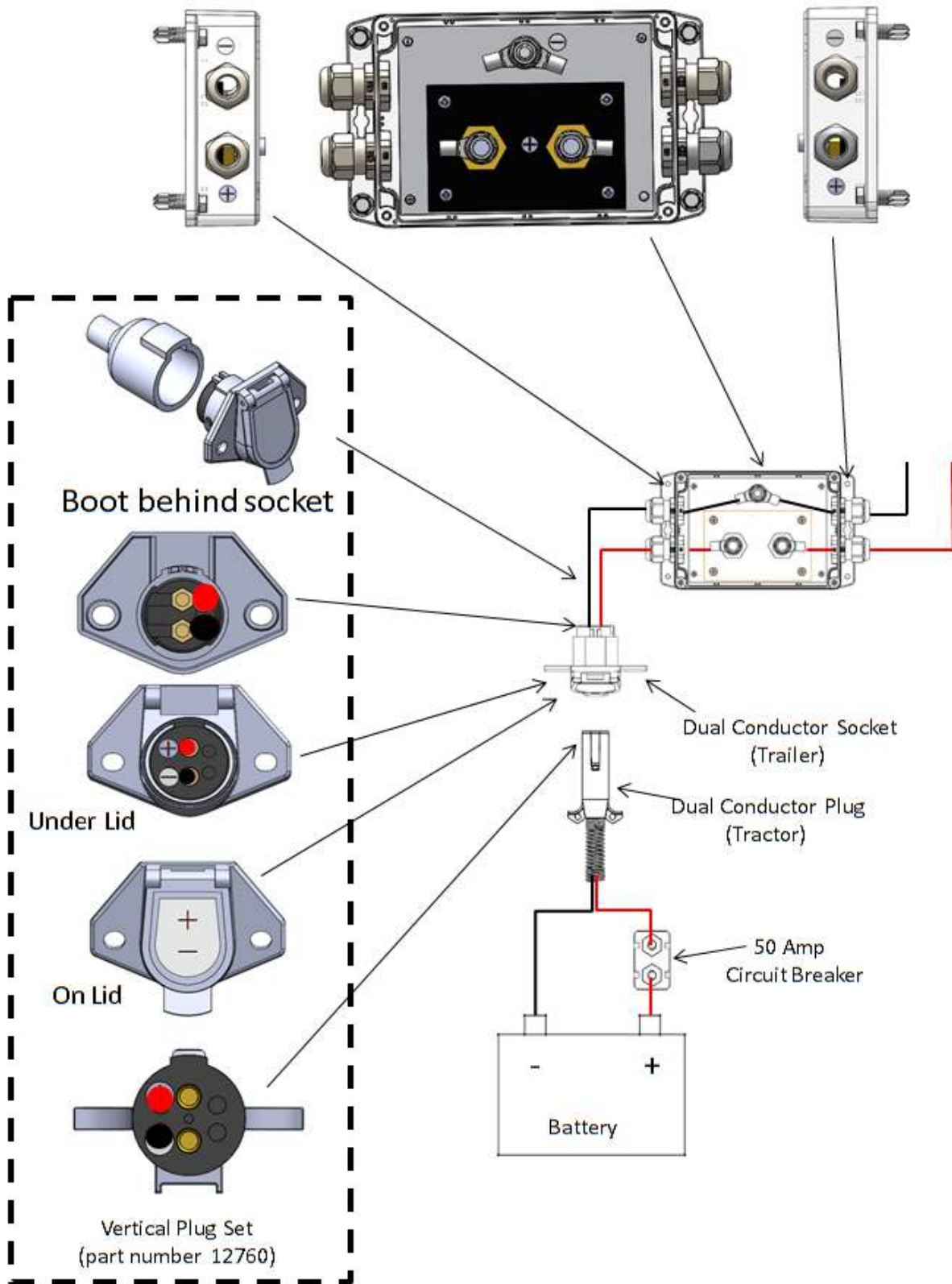
## Horizontal Trailer Plug Set





A Safe Fleet Brand

## Vertical Trailer Plug Set





## Specifications

### FCC Statement of Compliance

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- \* Reorient or relocate the receiving antenna.
- \* Increase the separation between the equipment and receiver.
- \* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- \* Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

### IC Statement of Compliance

*Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotopically radiated power (e.i.r.p.) is not more than that necessary for successful communication.*

*This radio transmitter (IC: [IC Company number of your product]) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.*



A Safe Fleet Brand

## IC Déclaration de Conformité

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent émetteur radio (IC: [IC Company number of your product]) de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.