REMOTE PROGRAMMING & OPERATION INSTRUCTIONS

For:
- Thunder Electric Tarp System
- EZ Flow Hydraulic Trap System
- EZ Flow Hydraulic Trap & Hatch System For Roughneck Trailers
- Remote Lift Axle System
Programming Remote to work with the Thunder Electric Tarp System

1. Power on the keypad controller on the front of the trailer by holding the “Open” and “Close” buttons on the keypad simultaneously for 5 seconds or until the white light illuminates to indicate the system is active.
2. Open the lid on the flip style remote and observe the buttons illuminate indicating the remote is active.
3. Repeat step 2 for each remote to be programmed. Up to four remotes can be programmed. Have all remotes ready for steps 4 & 5. **Ignore if only one remote is to be programmed.**
4. Press and hold the small Program & “Open” buttons on the keypad mounted on the trailer simultaneously until the light turns green. Release the buttons which will cause the status LED to quickly flash red/orange.
5. Press and hold the “TARP OPEN” button on the remote for 2 seconds OR until the red/orange flashing light momentarily turns white on the keypad, then release the button. Keypad light should then continue blinking red/orange.
6. Repeat step 6 for up to four remotes to be programmed. **Ignore if only programming one remote.**
7. Once all remotes are programmed press and release the program button to exit programming mode or keypad will also time-out after 10 seconds.
8. The keypad status LED will blink twice red indicating the remote(s) have been saved to memory. **If above steps do not result in the remote being programmed, unplug the trailer from power, wait 15 seconds, replug power, then repeat the programming steps.**

Operating Remote with the Thunder Electric Tarp System

- **Powering on or off the electric tarp system.**
  - Open the lid on the remote and observe the buttons illuminate indicating the remote is active.
  - Press and hold the “TARP OPEN” and “TARP CLOSE” buttons simultaneously on the remote for 3-5 seconds or until the keypad status LED on the front of the trailer has illuminated.
  - Repeat the steps above to turn off the tarp system.
- **One Touch Operation** - The one touch function is fully automated. The system will stop when fully opened or closed.
  - Press and hold the desired directional button on the remote for 1 ½ seconds or until the keypad status light turns solid green on the front of the trailer. Release the button and the keypad status light will start flashing green indicating one touch operation. The tarp will travel in that direction automatically and stop when it is fully open or closed.
- **Incremental Operation**
  - To inch the tarp in either direction, press then release the desired directional button on the keypad or remote for less than 1 – 1 ½ seconds intermittently to inch the tarp in that direction.
- **Press and Hold operation**
  - Press and hold the desired directional button on the remote for more than 2 ½ seconds or until the status light turns from solid green to solid white on the front of the trailer. The tarp will continue to travel in that direction until you release the button.
  - When any button on the remote is pressed, the status LED will flash rapidly indicating it is transmitting a signal.
  - The status LED on the remote will flash continuously when the remote batteries have 25% charge left.
  - Never travel with the tarp in a partially covered position. The trailer should always be covered when traveling.
  - Always close the remote lid when not in use to prevent accidental button presses that can cause unwanted operation of the tarp or trap systems. When flip lid is in the closed position the remote is deactivated.
Programming Remote to work with the EZ Flow Trap System

1. Power on the keypad controller on the trailer by holding the “FRONT OPEN” and “FRONT CLOSE” buttons on the keypad simultaneously for 3-5 seconds or until the blue light illuminates to indicate the system is activated.
2. Open the flip lid on the remote and observe the illuminated buttons to indicate the remote is active.
3. Repeat step 2 for each remote to be programmed. Up to four remotes can be programmed. Have all remotes ready for steps 4 & 5. Ignore if only one remote is to be programmed.
4. Press and hold the two “AUX” buttons on the keypad controller simultaneously for 10 seconds until the blue flashing light stays solid then release. The light on the keypad controller should start flashing violet.
5. Press and hold the “FRONT OPEN” button on the remote for 2 seconds or until the blue flashing light on the keypad turns white then release the button. The keypad light on the trailer should then continue blinking violet.
6. Repeat step 5 for up to four remotes to be programmed. Ignore if only one remote is being programmed.
7. Once all remotes are programmed press the top “AUX” button to exit programming or let the system timeout after 10 seconds. The keypad controller light will flash twice red indicating the remotes have been saved.

Operating Remote with the EZ Flow Trap System

- **Powering up or down the system**
  - Open the remote flip lid and observe the buttons illuminate indicating the remote is active.
  - Press and hold the “FRONT OPEN” and “FRONT CLOSE” buttons on the remote simultaneously for 3-5 seconds or until the blue light on the keypad controller illuminates to indicate the system is activated.
  - Repeat the above steps to turn off the EZ Flow Trap System.
- **To use the front hopper doors**
  - Press and hold the desired directional button to open or close the front doors. The hopper door will travel in that direction until the button is released.
- **To use the rear hopper doors**
  - Press and hold the desired directional button to open or close the rear doors. The hopper door will travel in that direction until the button is released.
- **To control work lights (optional) Automatically configured – no programming necessary.**
  - On the trailer keypad press and release the top “AUX” button to turn on or off the worklights.
  - On the remote press the “WORKLIGHT ON/OFF” button to turn on or off the worklights.
  - If worklight & AUX buttons are reversed, unplug worklight from dual plug harness and plug into secondary plug.
- When any button on the remote is pressed, the status LED will flash rapidly indicating it is transmitting a signal.
- The status LED on the remote will flash continuously when the remote batteries have 25% charge left.
- Always close the remote lid when not in use to prevent accidental button presses that can cause unwanted operation of the tarp or trap systems. When flip lid is in the closed position the remote is deactivated.
Programming Remote to work with the EZ Flow Trap & Hatch System

1. Power on the keypad controller on the trailer by holding the “HOPPER OPEN” and “HOPPER CLOSE” buttons on the keypad simultaneously for 3-5 seconds or until the blue light illuminates to indicate the system is activated.
2. Open the flip lid on the remote and observe the illuminated buttons to indicate the remote is active.
3. Repeat step 2 for each remote to be programmed. Up to four remotes can be programmed. Have all remotes ready for steps 4 & 5. Ignore if only one remote is to be programmed.
4. Press and hold the “WORK LIGHT” & “AUX” buttons on the keypad controller simultaneously for 10 seconds until the blue flashing light stays solid then release. The light on the keypad controller should start flashing violet.
5. Press and hold the “HOPPER OPEN” button on the remote for 2 seconds or until the blue flashing light on the keypad turns white, then release the button. The keypad light on the trailer should then continue blinking violet.
6. Repeat step 5 for up to four remotes to be programmed. Ignore if only one remote is being programmed.
7. Once all remotes are programmed press the top “WORK LIGHT” button to exit programming or let the system timeout after 10 seconds. The keypad controller light should flash twice red indicating the remotes have been saved.

Operating Remote with the EZ Flow Trap & Hatch System

- **Powering up or down the system**
  - Open the remote flip lid and observe the buttons illuminate indicating the remote is active.
  - Press and hold the “HOPPER OPEN” and “HOPPER CLOSE” buttons on the remote simultaneously for 3-5 seconds or until the blue light on the keypad controller illuminates to indicate the system is activated.
  - Repeat the above steps to turn off the EZ Flow Trap & Hatch System.
- **To use the hopper doors**
  - Press and hold the desired directional button to open or close the hopper doors. The hopper door will travel in that direction until the button is released.
- **To use the top hatch door**
  - Press and hold the desired directional button to open or close the top hatch door. The hatch door will travel in that direction until the button is released.
- **To control work lights (optional)** *Automatically configured – no programming necessary.*
  - On the trailer keypad press and release the top “WORKLIGHT” button to turn on or off the worklights.
  - On the remote press the “WORKLIGHT ON/OFF” button to turn on or off the worklights.
  
  *If worklight & AUX buttons are reversed, unplug worklight from dual plug harness and plug into secondary plug.*
  - When any button on the remote is pressed, the status LED will flash rapidly indicating it is transmitting a signal.
  - The status LED on the remote will flash continuously when the remote batteries have 25% charge left.
  - Always close the remote lid when not in use to prevent accidental button presses that can cause unwanted operation of the tarp or trap systems. When flip lid is in the closed position the remote is deactivated.
Programming Remote to work with the Remote Lift Axle System

1. Locate the remote lift axle relay enclosure in the nose of the trailer.
2. Open the enclosure and locate the remote programming button on the bottom side of the relay module.
3. Open the remote flip lid and observe the buttons illuminate indicating the remote is active.
4. Press and hold the program button on the relay module for 5 seconds until you hear an audible “beep” indicating it is ready to accept programming.
5. On the remote, press the “AXLE UP” button five times. With each press of the remote you should hear and audible “beep” from the relay module. After the fifth press, the relay will beep twice confirming programming.

Operating Remote with the Remote Lift Axle System

- Open the remote flip lid and observe the buttons illuminate indicating the remote is active.
- Press and release the “AXLE UP” button to raise the tag axle of the trailer.
- Press and release the “AXLE DOWN” button to lower the tag axle of the trailer.

*If “AXLE UP” & “AXLE DOWN” buttons have reverse operation, locate the 2 weatherpack connectors outside of the lift axle control box on the side of the trailer. Unplug, then reverse and replug the connectors together.*