# Wiring Diagram for Wireless 3-Valve Setup

## Motor Solenoid

1. Always hook up Long Battery Cable to vehicles power source first , then Attach Short battery cable.
2. The ground post on top of solenoid will Have 3 wires to connect to it.
   a. Black wire from hard wired controller
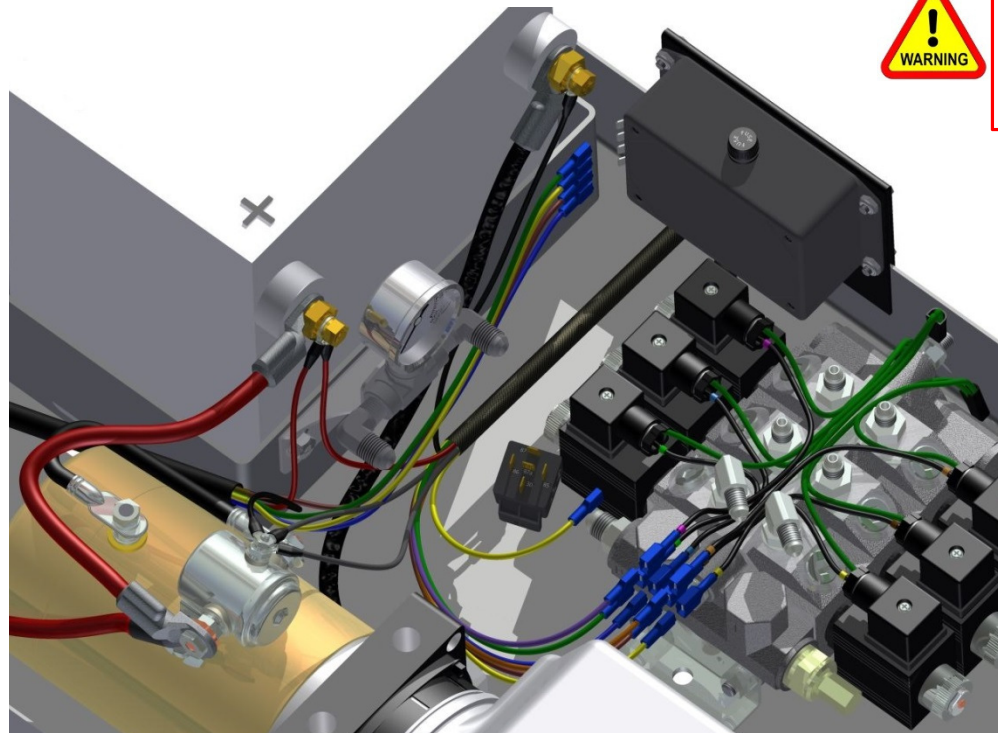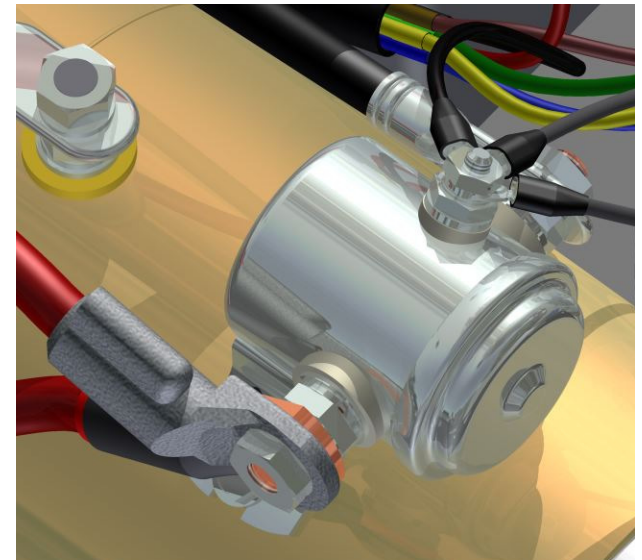   b. Gray wire from wireless receiver
   c. Gray/black wire from wireless receiver



Wireless Remote has 8 functions
- Top Row – (IN) is the green wire and (OUT) is the yellow wire
- Second Row – (OPEN) is the blue wire and (CLOSE) is the brown wire
- Third Row – (EXTEND) is the orange wire and (RETRACT) is the purple wire
- Fourth Row – ON,OFF Which is the Yellow w/red stripe wire

**WARNING**

Yellow/Red Wire – is Constant power on/off and can be used for Spotlights or cake feeders,etc..  We recommend using heavier 20/30 amp relay like (BOSCH 0 332 209 150)
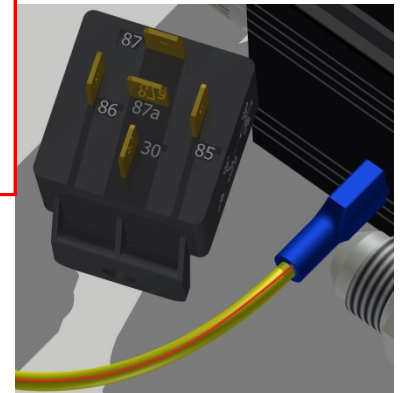


BOSCH 0 332 209 150
Terminal 30 – 12v Power Wire
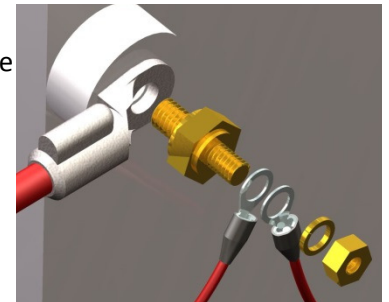Terminal 85 – Yellow/Red Wire
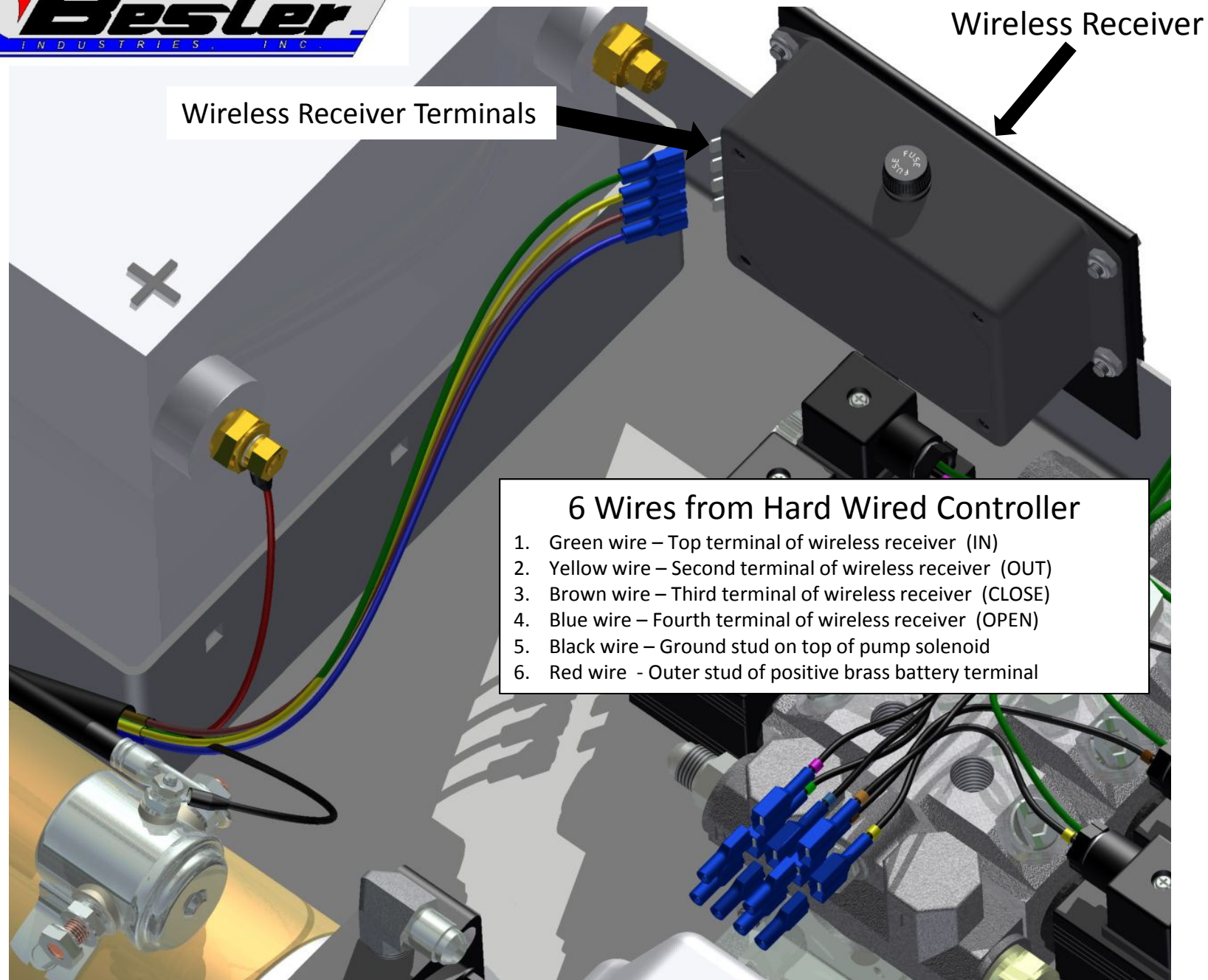Terminal 86 – Ground Wire
Terminal 87a – Don't Use
Terminal 87 -  Light,Cake Feeder, etc…

## Positive Battery Terminal

1. Always install the pump battery cable First , behind the positive brass stud.
2. Then connect red wire from hand Controller, and red wire from wireless receiver on the outer stud as shown.
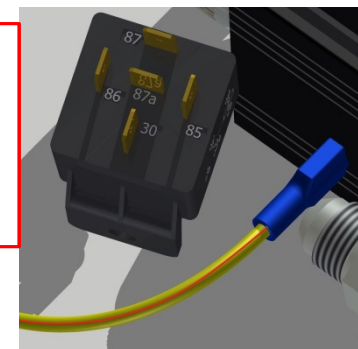
Wireless Receiver

Wireless Receiver Terminals
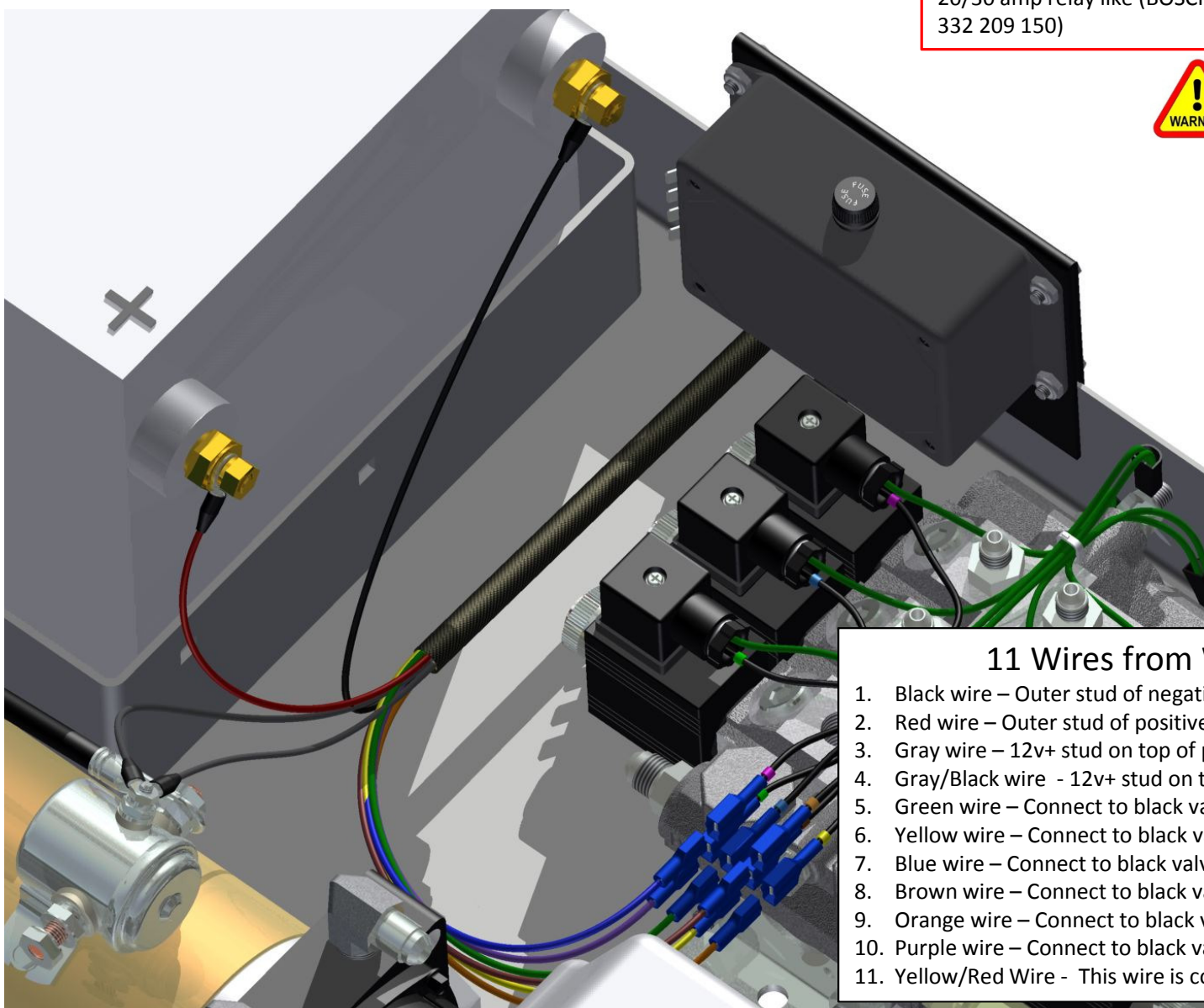
### 6 Wires from Hard Wired Controller

1. Green wire – Top terminal of wireless receiver  (IN)
2. Yellow wire – Second terminal of wireless receiver  (OUT)
3. Brown wire – Third terminal of wireless receiver  (CLOSE)
4. Blue wire – Fourth terminal of wireless receiver  (OPEN)
5. Black wire – Ground stud on top of pump solenoid
6. Red wire  - Outer stud of positive brass battery terminal

Yellow/Red Wire – is Constant power on/off and can be used for Spotlights or cake feeders,etc.. We recommend using heavier 20/30 amp relay like (BOSCH 0 332 209 150)

**WARNING**

BOSCH 0 332 209 150
Terminal 30 – 12v Power Wire
Terminal 85 – Yellow/Red Wire
Terminal 86 – Ground Wire
Terminal 87a – Don't Use
Terminal 87 - Light, Cake Feeder, etc…

## 11 Wires from Wireless Receiver

1. Black wire – Outer stud of negative brass battery terminal
2. Red wire – Outer stud of positive brass battery terminal
3. Gray wire – 12v+ stud on top of pump solenoid
4. Gray/Black wire - 12v+ stud on top of pump solenoid
5. Green wire – Connect to black valve wire with green zip tie.  (IN)
6. Yellow wire – Connect to black valve wire with yellow zip tie. (OUT)
7. Blue wire – Connect to black valve wire with blue zip tie. (OPEN)
8. Brown wire – Connect to black valve wire with brown zip tie. (CLOSE)
9. Orange wire – Connect to black valve wire with orange zip tie. (EXTEND)
10. Purple wire – Connect to black valve wire with purple zip tie. (RETRACT)
11. Yellow/Red Wire -  This wire is constant Power on/off

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## Wiring Diagram for
## Wireless 2-Valve Setup

### Motor Solenoid
1. Always hook up Long Battery Cable to vehicles power source first , then Attach Short battery cable.
2. The ground post on top of solenoid will Have 3 wires to connect to it.
   a. Black wire from hard wired controller
   b. Gray wire from wireless receiver
   c. Gray/black wire from wireless receiver

Wireless Remote has 8 functions
- Top Row – (IN) is the green wire and (OUT) is the yellow wire
- Second Row – (OPEN) is the blue wire and (CLOSE) is the brown wire
- Third Row – (EXTEND) is the orange wire and (RETRACT) is the purple wire
- Fourth Row – ON,OFF Which is the Yellow w/red stripe wire

⚠ WARNING

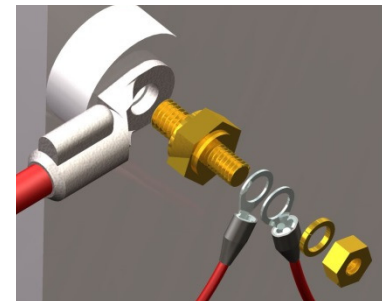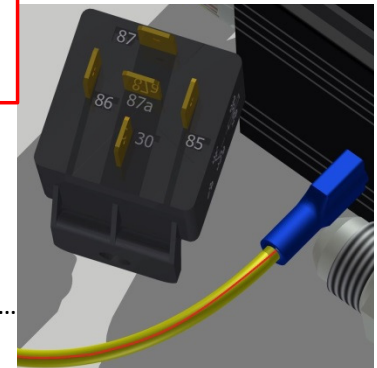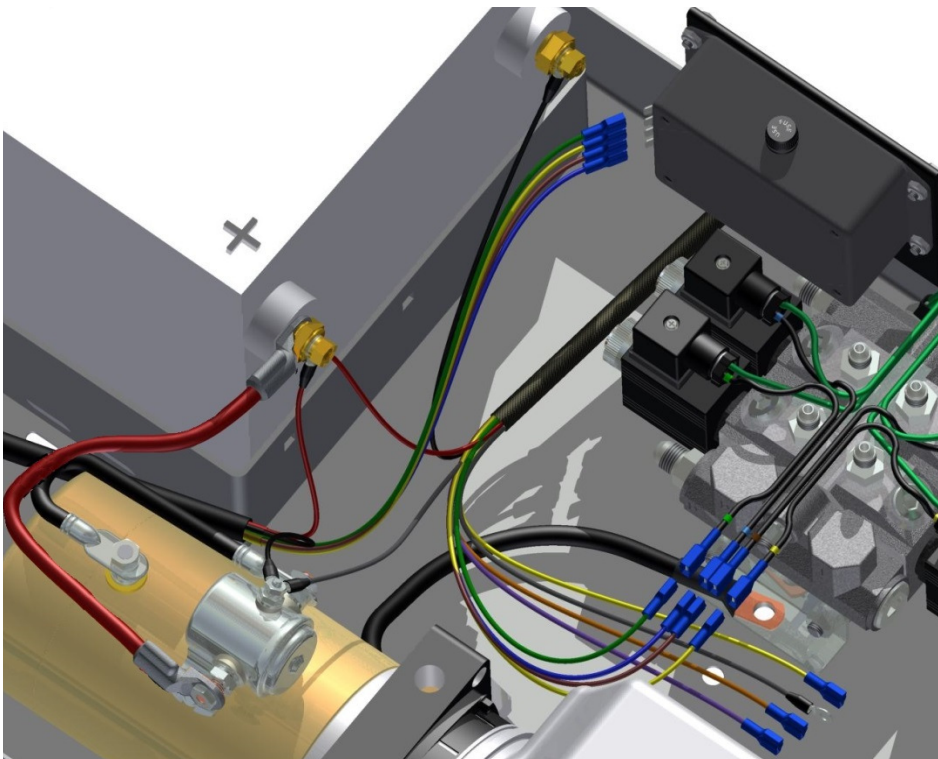Yellow/Red Wire – is Constant power on/off and can be used for Spotlights or cake feeders,etc..  We recommend using heavier 20/30 amp relay like (BOSCH 0 332 209 150)
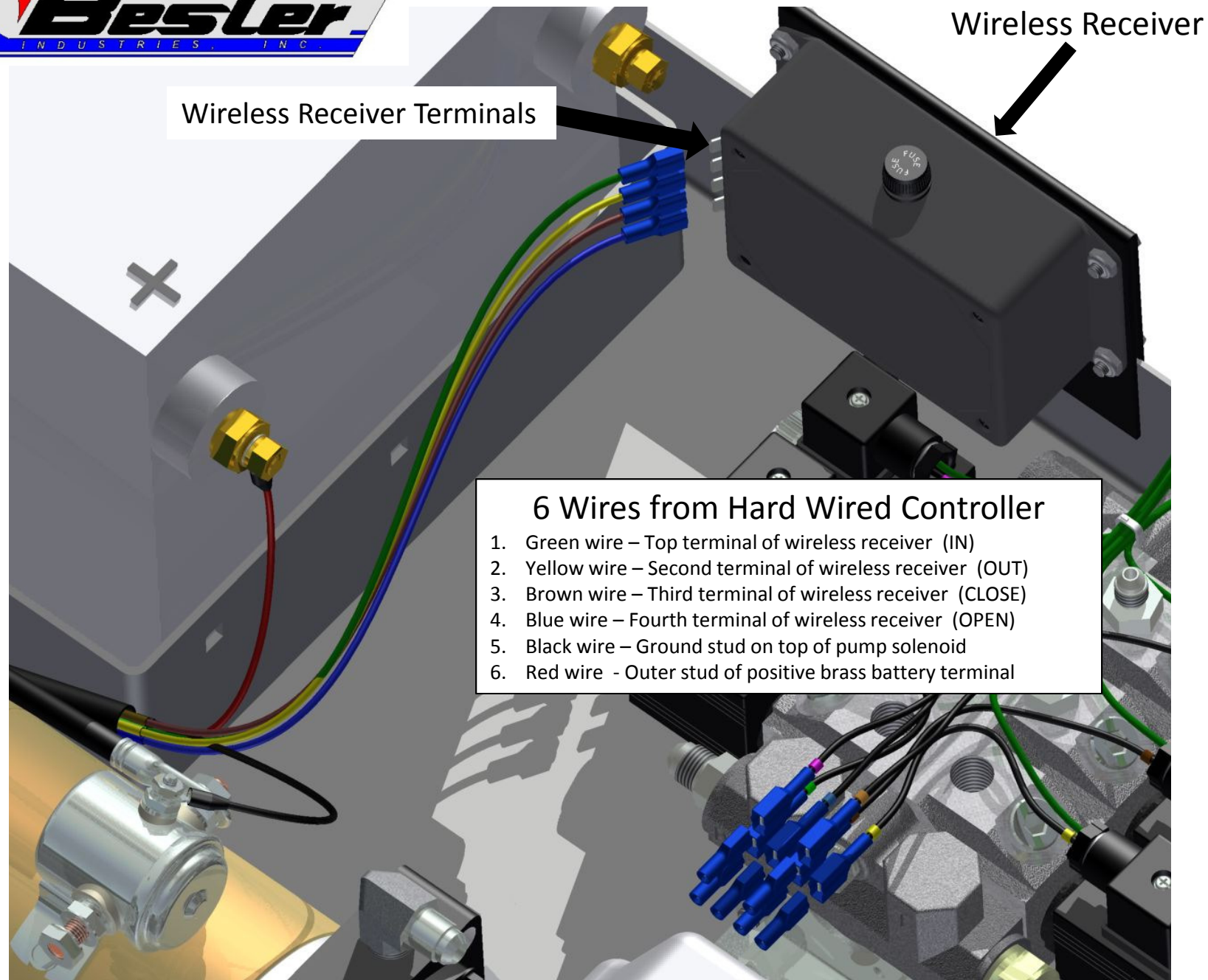
BOSCH 0 332 209 150
Terminal 30 – 12v Power Wire
Terminal 85 – Yellow/Red Wire
Terminal 86 – Ground Wire
Terminal 87a – Don't Use
Terminal 87 -  Light,Cake Feeder, etc…

### Positive Battery Terminal
1. Always install the pump battery cable First , behind the positive brass stud.
2. Then connect red wire from hand Controller, and red wire from wireless receiver on the outer stud as shown.
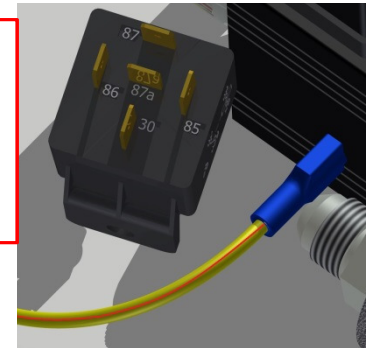
Wireless Receiver

Wireless Receiver Terminals
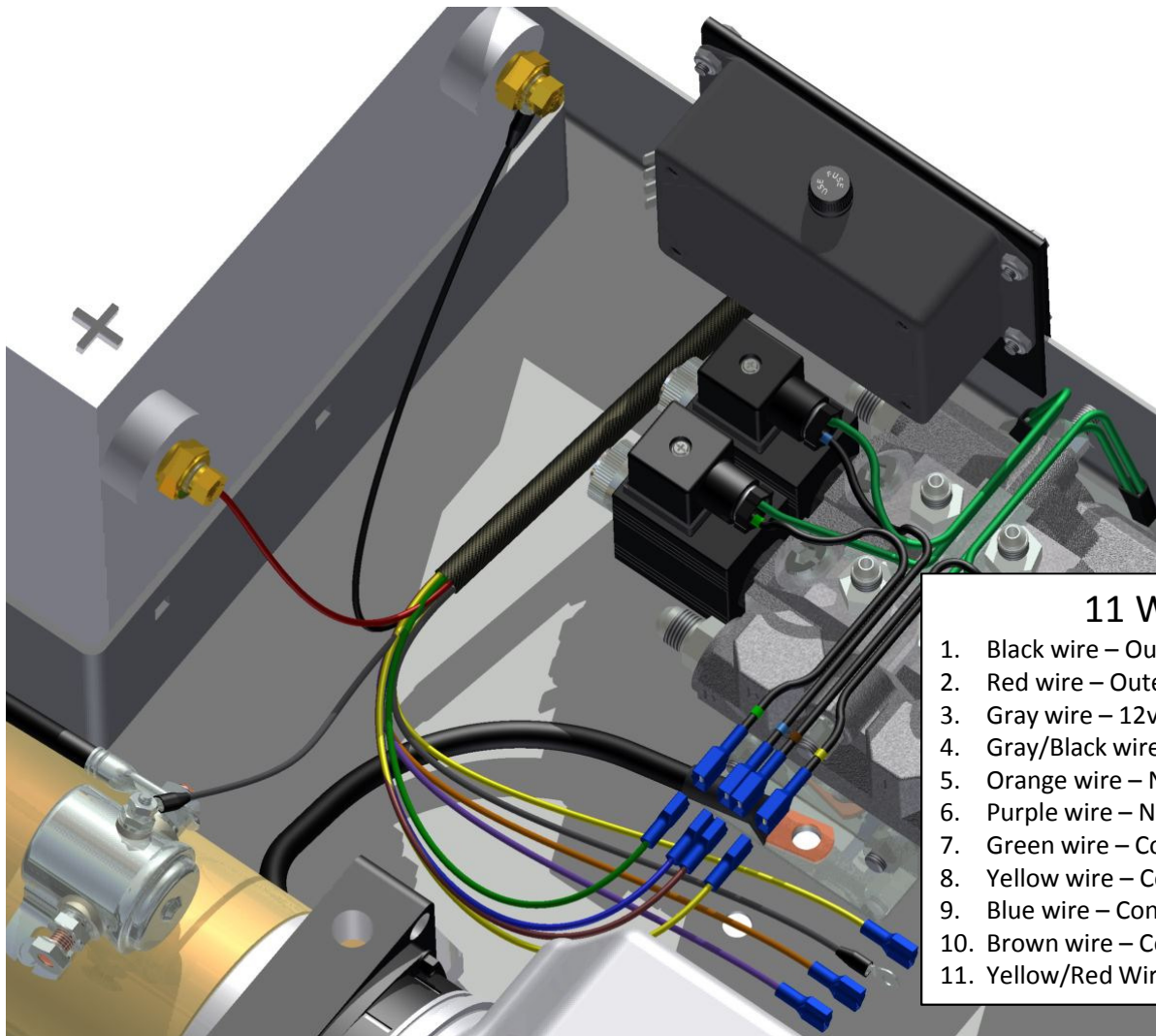
### 6 Wires from Hard Wired Controller

1. Green wire – Top terminal of wireless receiver  (IN)
2. Yellow wire – Second terminal of wireless receiver  (OUT)
3. Brown wire – Third terminal of wireless receiver  (CLOSE)
4. Blue wire – Fourth terminal of wireless receiver  (OPEN)
5. Black wire – Ground stud on top of pump solenoid
6. Red wire  - Outer stud of positive brass battery terminal

Yellow/Red Wire – is Constant power on/off and can be used for Spotlights or cake feeders,etc.. We recommend using heavier 20/30 amp relay like (BOSCH 0 332 209 150)

BOSCH 0 332 209 150
Terminal 30 – 12v Power Wire
Terminal 85 – Yellow/Red Wire
Terminal 86 – Ground Wire
Terminal 87a – Don't Use
Terminal 87 - Light, Cake Feeder, etc…

## 11 Wires from Wireless Receiver

1. Black wire – Outer stud of negative brass battery terminal
2. Red wire – Outer stud of positive brass battery terminal
3. Gray wire – 12v+ stud on top of pump solenoid
4. Gray/Black wire  - 12v+ Not Used.
5. Orange wire – Not Used.  (EXTEND)
6. Purple wire – Not Used.  (RETRACT)
7. Green wire – Connect to black valve wire with green zip tie.  (IN)
8. Yellow wire – Connect to black valve wire with yellow zip tie.  (OUT)
9. Blue wire – Connect to black valve wire with blue zip tie.  (OPEN)
10. Brown wire – Connect to black valve wire with brown zip tie.  (CLOSE)
11. Yellow/Red Wire -  This wire is constant Power on/off
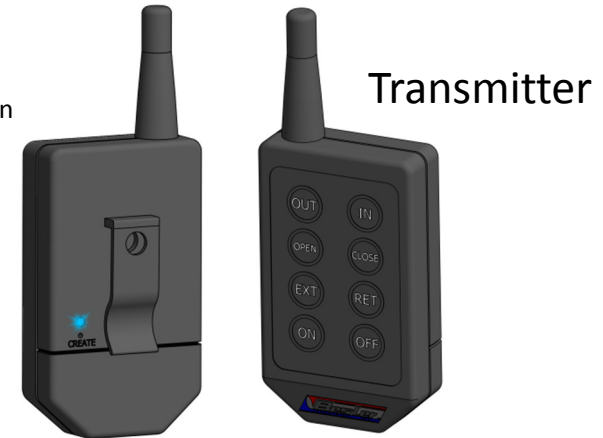
# Program Transmitter to Receiver

The wireless control comes factory programmed. If the Base Unit and transmitter lose sync, The end-user can create a 1 in 16 million address between the transmitter and base unit. To reset code in the transmitter and enable the switches needed please follow steps for installation.

## Transmitter

1. Push the reprogram button (CREATE) on the back of the transmitter with a small wire like a paper clip.
2. After pushing the Blue LED light should start to flash. While it is flashing press the buttons on the front of the transmitter that you want to use. This enables the buttons for output.
3. After pressing buttons press the reprogram (CREATE) button again, this resets the output code to a new value
4. This completes setting up the transmitter.

## Receiver:

1. To train the receiver to see the new code in the transmitter press the black button right beside the red LED light and the light should start flashing.
2. While the red LED is flashing press one of the buttons on the transmitter that was previously enabled.
3. Press the Black button again. The LED should stop flashing.
4. The receiver will now recognize inputs from the transmitter and should be fully functional at this point.
5. To setup a second transmitter, simply repeat the process with another transmitter.
6. To clear the receiver press and hold the black button for 10 seconds, this clears the internal memory in the receiver.
7. Make sure when replacing the cover on transmitter the gap on the inside seal is down this is to let any moisture out of the transmitter.

Transmitter

Receiver

GAP
DOWN