



Installation and Operation Instructions

ECCO Connect Kit


EC100

IMPORTANT! Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!

 **Do not install and/or operate this safety product unless you have read and understood the safety information contained in this manual.**

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
2. Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation is vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that they can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure daily that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to an emergency warning signal. Never take the right-of-way for granted. It is the vehicle operator's responsibility to be sure they can proceed safely before entering an intersection, drive against traffic, respond at a high rate of speed, or walk on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Specifications

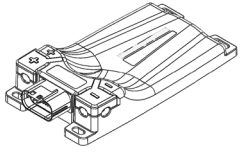
Input Voltage: 12VDC

Input Current: Varies based on hardware selected

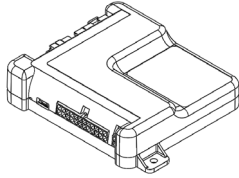
Temp. Range: -40°C to 65°C
-40°F to 149°F

Kit Contents

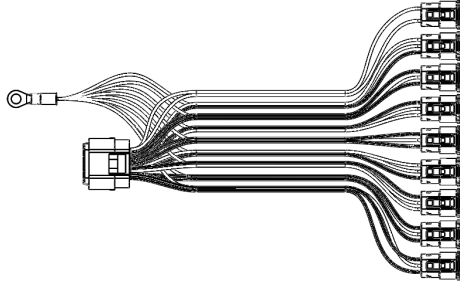
Core Products



SWITCHNODE-EC100



SIB-EC001

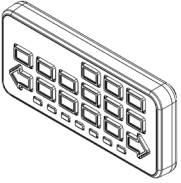


670-0578-00

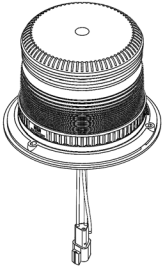


690-1051-00

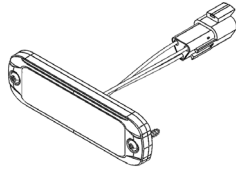
Optional Products



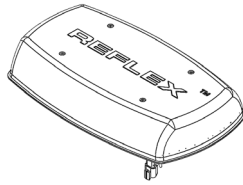
EZ0000



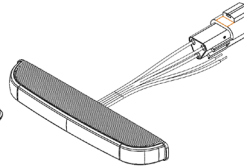
7965A-EC
7965A-EC



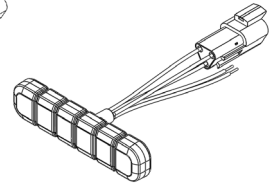
ED3802AB-EC
ED3802AW-EC
ED3802AG-EC



5590CAC-EC
5590CAB-EC
5590CAG-EC



ED5051AW-EC
ED5051AB-EC
ED5051AG-EC



ED3794AW-EC
ED3794BA-EC



EZ0024

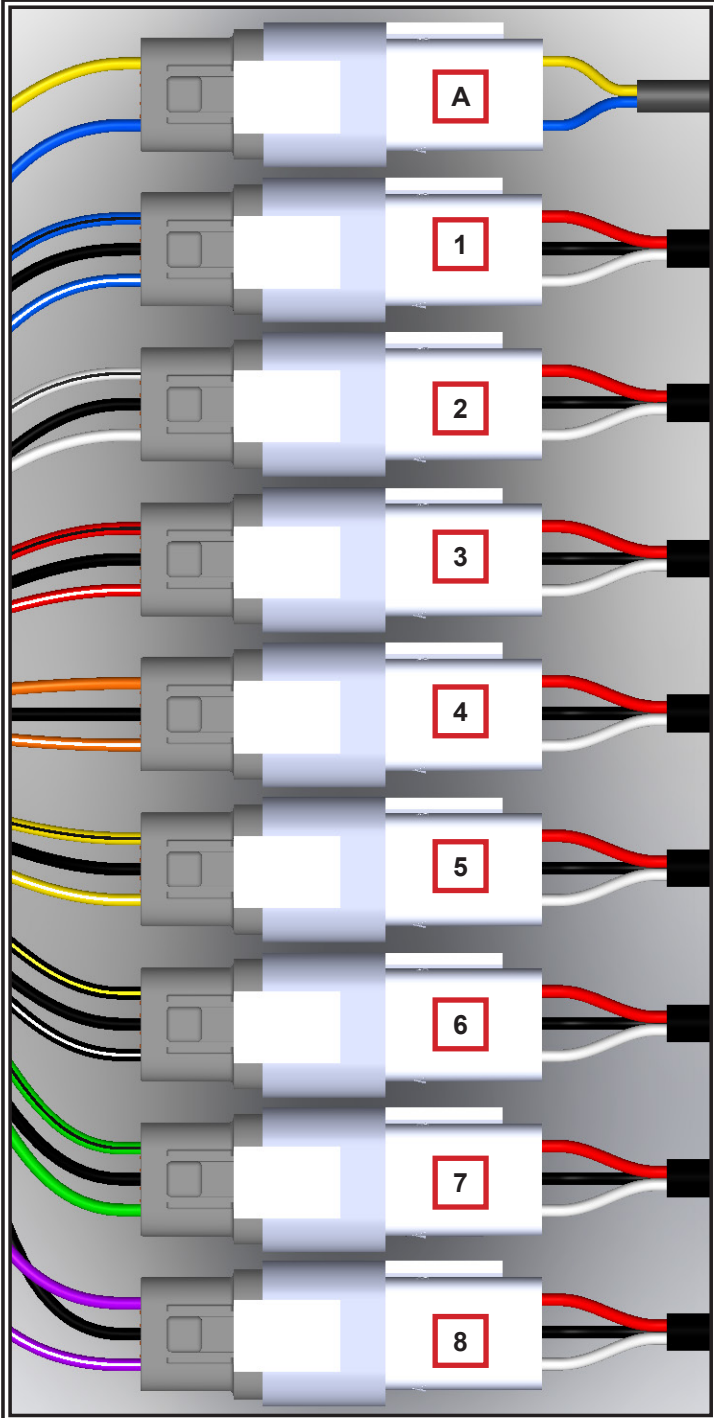
EZ0029

Installation and Mounting

1. Install the SIB, SWITCHNODE, and EZ0000 controller inside the cab on a flat surface that is safe from moisture. Follow provided instructions for mounting each product.
2. Mount the exterior lighting directionals in the desired locations of the vehicle. **Note: Drill a 1" hole for the wire exit of the directional.**

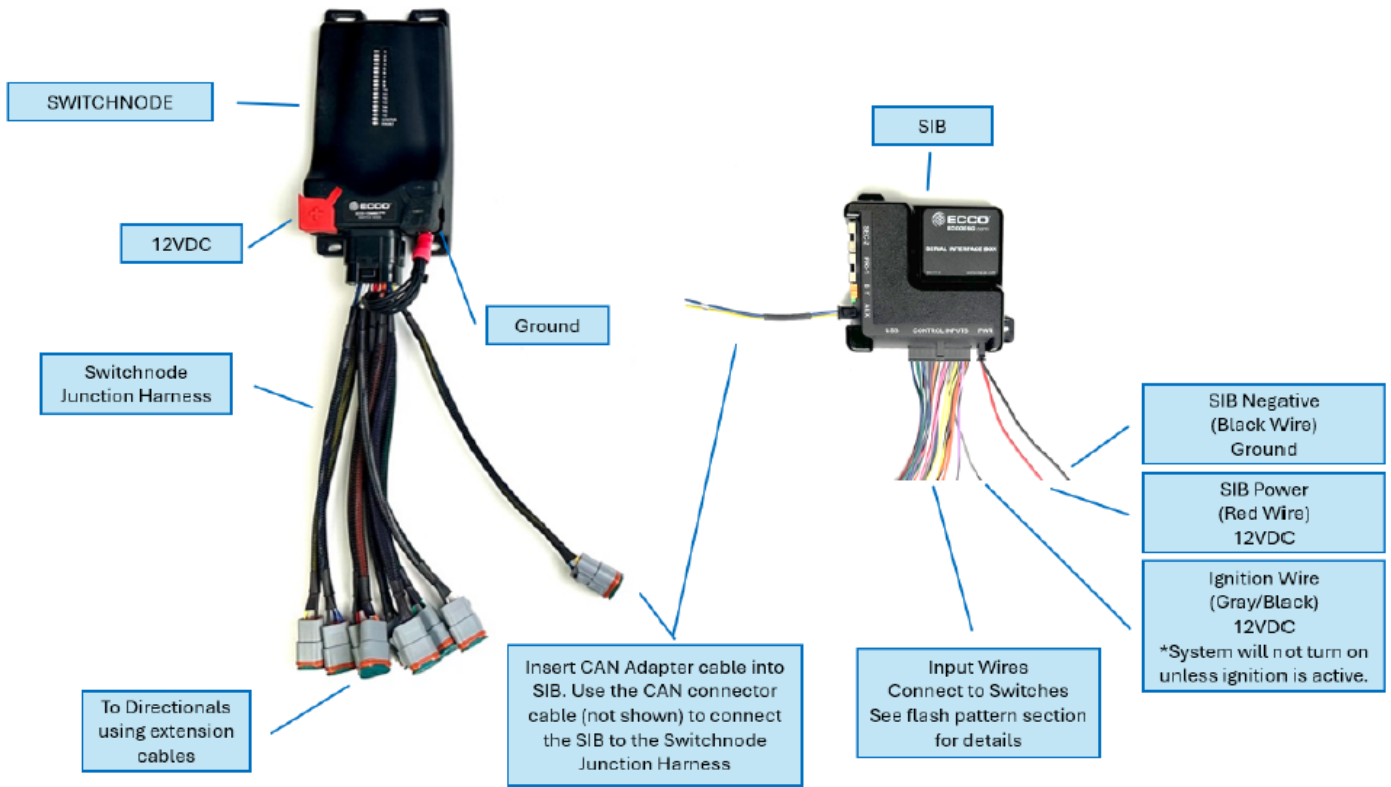
Wiring Instructions

1. Use 8 AWG Ring Terminal and 8 AWG wire connect the Switchnode positive terminal to +12V or +24V.
2. Use 10-12 AWG Ring Terminal and 10 AWG wire connect the Switchnode negative terminal to ground.
3. Connect the EZ0000 power and input connectors into the SIB. Connect the two red wires to +12V or +24V and black to ground.
4. Connect Switchnode to Serial Interface Box by plugging the CAN 690-0499-00 and 690-1051-00.
5. Route Cables from the Switchnode to each directional. Connect deutsch connections.
6. Connect Switchnode Junction Harness according to image below.

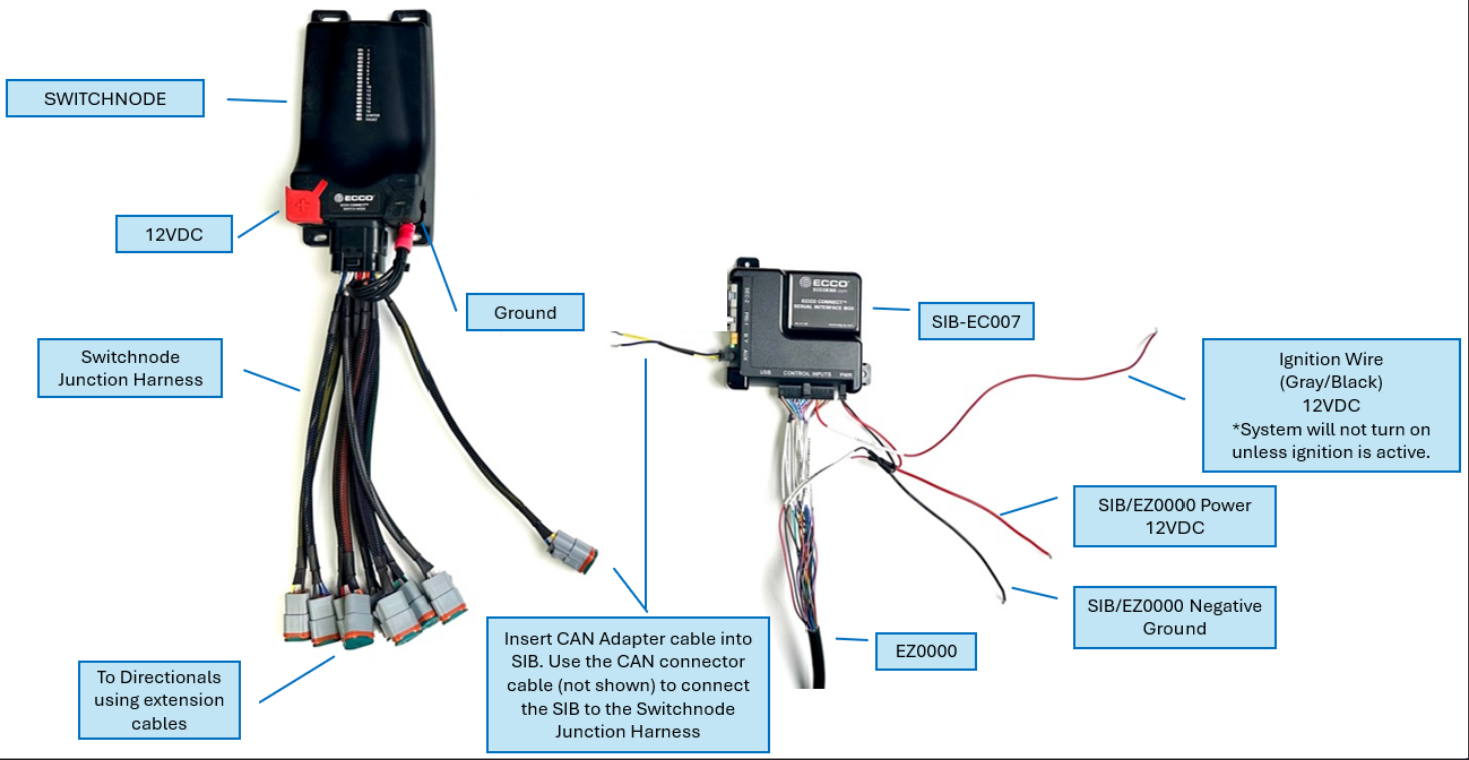


- A - SIB AUX PORT
- 1 - ED3802AGW-EC, FRONT LEFT
- 2 - ED3802RAW-EC, FRONT LEFT
- 3 - ED3802RAW-EC, FRONT RIGHT
- 4 - ED3802AGW-EC, FRONT RIGHT
- 5 - ED3802AGW-EC, REAR RIGHT
- 6 - ED3802RAW-EC, REAR RIGHT
- 7 - ED3802RAW-EC, REAR LEFT
- 8 - ED3802AGW-EC, REAR LEFT

SYSTEM CONTROLLED USING SIB INPUT WIRES



SYSTEM CONTROLLED WITH EZ0000 CONTROLLER

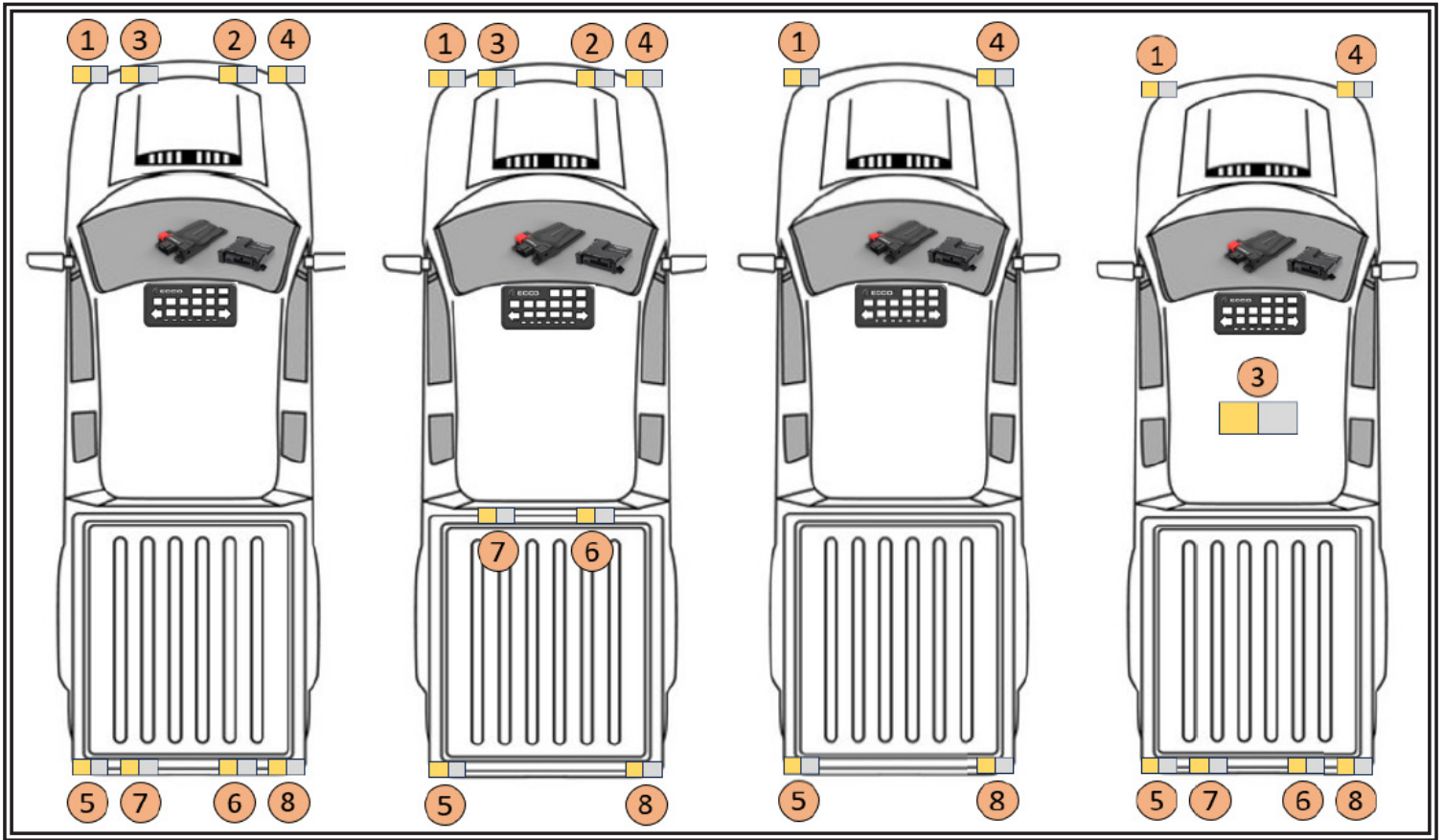


| EZ0000 Controller | | SIB | Color | | Flash Pattern |
|-------------------|-------------|--------------|---------|-----------|--|
| Button | Activate | Input Wire | Primary | Secondary | Name |
| 1 | Short Press | Green/Black | X | | SINGLE FLASH 75 |
| 2 | Short Press | White/Black | | X | SINGLE FLASH 75 |
| 3 | Short Press | Red/Black | X | X | SINGLE FLASH 75, FLASH OVER CRUISE, WIG-WAG |
| 4 | Short Press | Brown/White | X | | DOUBLE FLASH 115 (T13) |
| 5 | Short Press | Green/White | | X | DOUBLE FLASH 115 (T13) |
| 6 | Short Press | Blue/White | X | X | DOUBLE FLASH 115 (T13), FLASH OVER CRUISE, WIG-WAG |
| 7 | Short Press | Gray/White | X | | TRIPLE FLASH 120 (ECE65) |
| 8 | Short Press | Violet/White | | X | TRIPLE FLASH 120 (ECE65) |
| 9 | Short Press | Orange/White | | X | FLICKER CRUISE |
| 10 | Short Press | Pink | | X | LEFT SIDE STEADY |
| 10 | Long Press | Brown | - | - | LEFT CUT |
| 11 | Short Press | Pink/Black | X | | FLICKER CRUISE |
| 12 | Short Press | Yellow/Black | | X | FRONT STEADY |
| 12 | Long Press | Violet/Black | - | - | FRONT CUT |
| 13 | Short Press | Green | | X | REAR STEADY |
| 13 | Long Press | Blue/Black | - | - | REAR CUT |
| 14 | Short Press | Blue | - | - | DIM (30%) |
| 15 | Short Press | Orange | | X | RIGHT SIDE STEADY |
| (not available) | | White | X | X | TRIPLE FLASH 120 (ECE65), FLASH OVER CRUISE, WIG-WAG |
| (not available) | | Gray/Black | - | - | *Ignition – must be powered for system to turn on. |
| (not available) | | Orange/Black | X | | DIAMOND FLASH |
| (not available) | | Gray | | X | DIAMOND FLASH |
| (not available) | | Yellow | X | X | DIAMOND FLASH, FLASH OVER CRUISE, WIG-WAG |
| (not available) | | Purple | X | X | QUINT FLASH 150 |

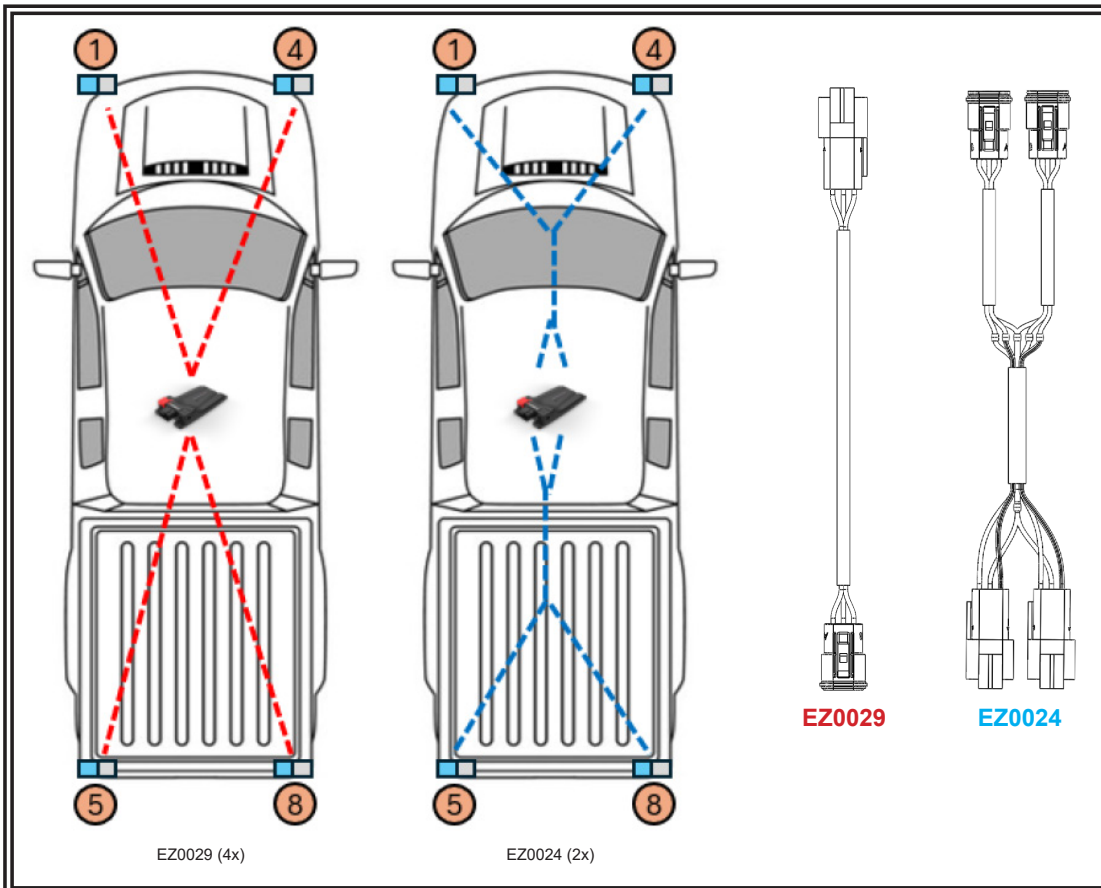
List of primary/secondary colors by product:

| PRODUCT | PRIMARY | SECONDARY |
|-------------|---------|-----------|
| 7965A-EC | AMBER | (NONE) |
| 7945A-EC | AMBER | (NONE) |
| ED3802AB-EC | BLUE | AMBER |
| ED3802AW-EC | AMBER | WHITE |
| ED3802AG-EC | AMBER | GREEN |
| ED3511AB-EC | BLUE | AMBER |
| ED3511AW-EC | AMBER | WHITE |
| 5590CAC-EC | AMBER | WHITE |
| 5590CAB-EC | BLUE | AMBER |
| 5590CAG-EC | AMBER | GREEN |
| ED5051AW-EC | AMBER | WHITE |
| ED5051AB-EC | BLUE | AMBER |
| ED5051AG-EC | AMBER | GREEN |
| ED3794AW-EC | AMBER | WHITE |
| ED3794BA-EC | BLUE | AMBER |

Products can be placed in different locations. Please use the guidance below to connect each product back to the correct Switchnode output.



Two different cables options are available. Route the cables below using the guidance provided below:



Warranty

Manufacturer Limited Warranty and Limitation of Liability:

Manufacturer warrants that on the date of purchase, this product will conform to Manufacturer's specifications for this product (which are available from the Manufacturer upon request). This Limited Warranty extends for sixty (60) months from the date of purchase.

DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICATIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WARRANTY.

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