



Installation and Operation Instructions

ECCO Connect Kit

EC102

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.

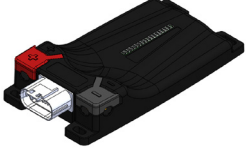
1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
2. Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when working 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



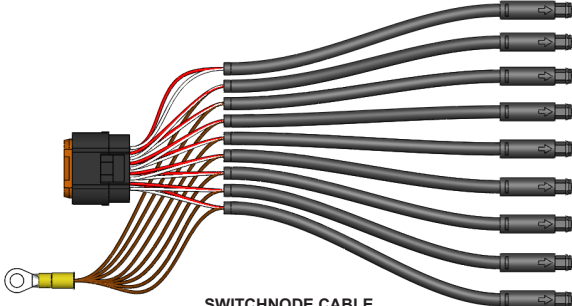
SWITCHNODE-EC102



SIB-EC102



SIB ADAPTER CABLE



SWITCHNODE CABLE

Optional Products



5550CXX-EC



5590CXX-EC



7945A-EC



7965A-EC



EW2720-EC



EW2722-EC



EW2530-EC



E92006W-EC



EW3214-EC



5550CXX-EC



5590CXX-EC



7945A-EC



7965A-EC



EW2720-EC



EW2722-EC



EW2530-EC



E92006W-EC



EW3214-EC



3PMF3B
9.8' (3m) Cable



3PMF5B
(16.4' (5m) Cable



EZ0000
Controller



3PCB
QuickLink Cover



3P3WB
Output Splitter



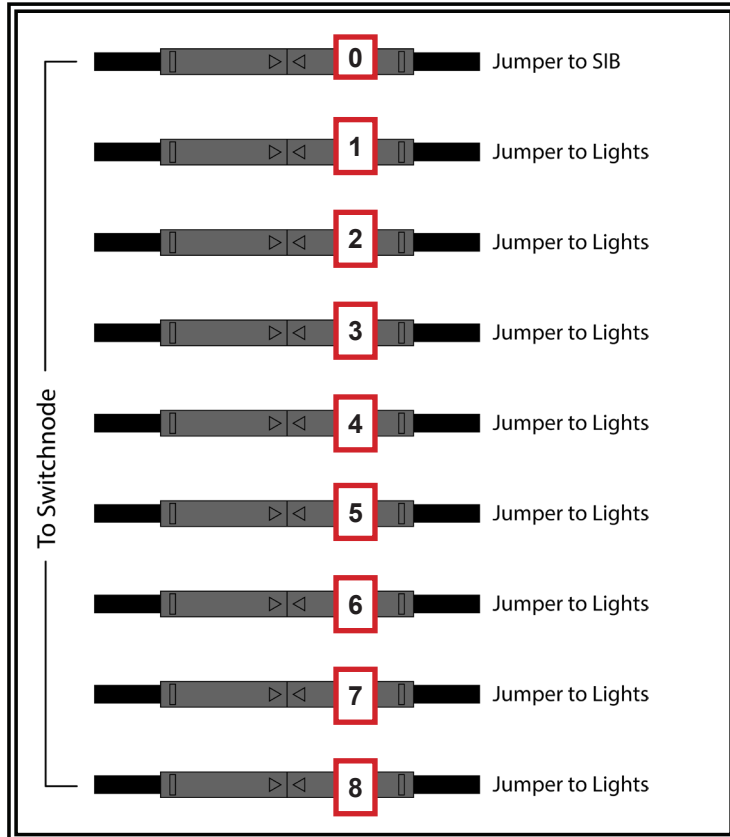
2P3CB
Splitter Cover

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 3/8" 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 670-06030-00 and 690-1111-02.
5. Route Cables from the Switchnode to each directional. Connect QuickLink.
6. Connect Switchnode Junction Harness according to image below.

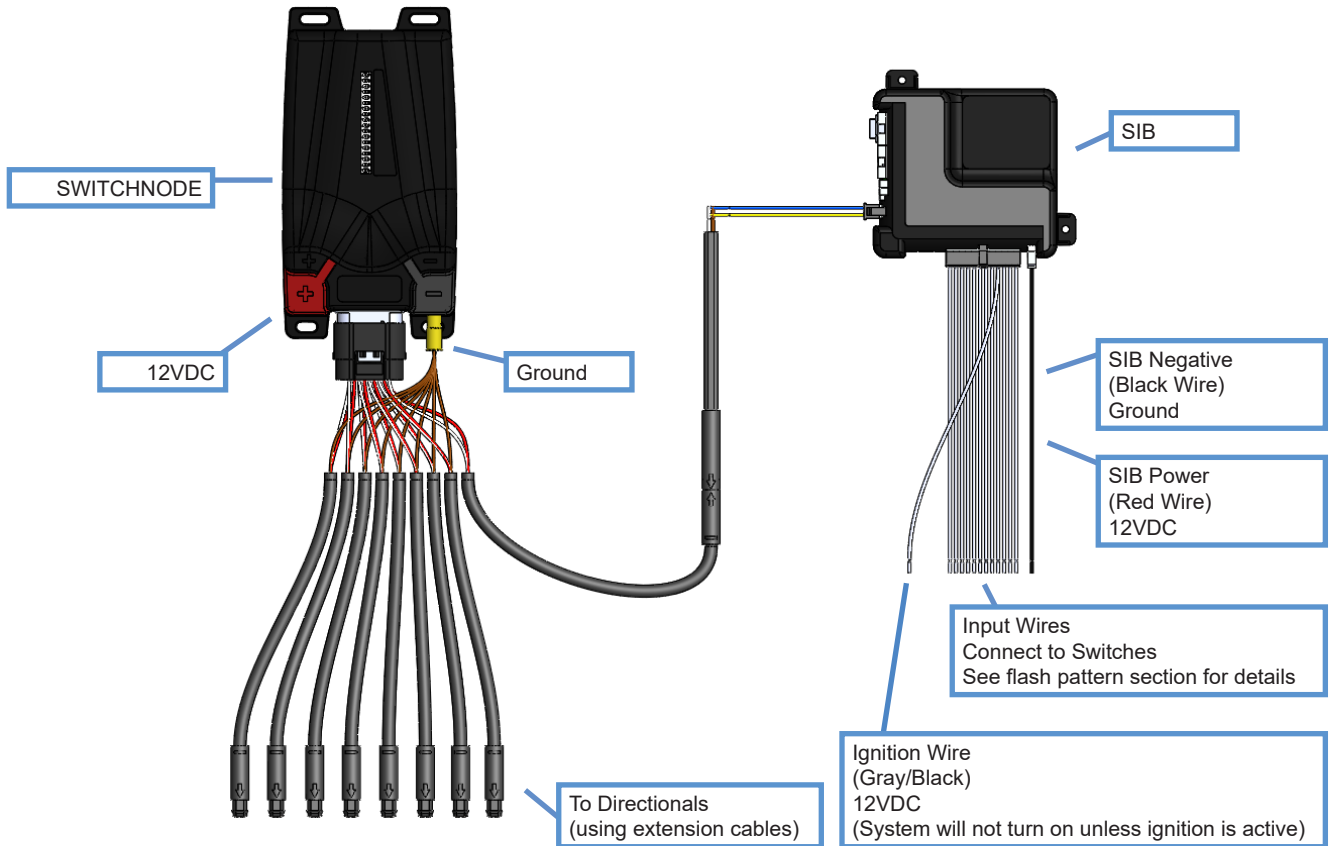


- 0 - CAN harness connected back to SIB
- 1 - Light positioned on front left of vehicle.
- 2 - Light positioned on front right of vehicle.
- 3 - Light positioned on front left or roof of vehicle.
- 4 - Light positioned on front right of vehicle.
- 5 - Light positioned on rear left of vehicle.
- 6 - Light positioned on rear left or headache rack of vehicle.
- 7 - Light positioned on rear left or headache rack of vehicle.
- 8 - Light positioned on rear left of vehicle.

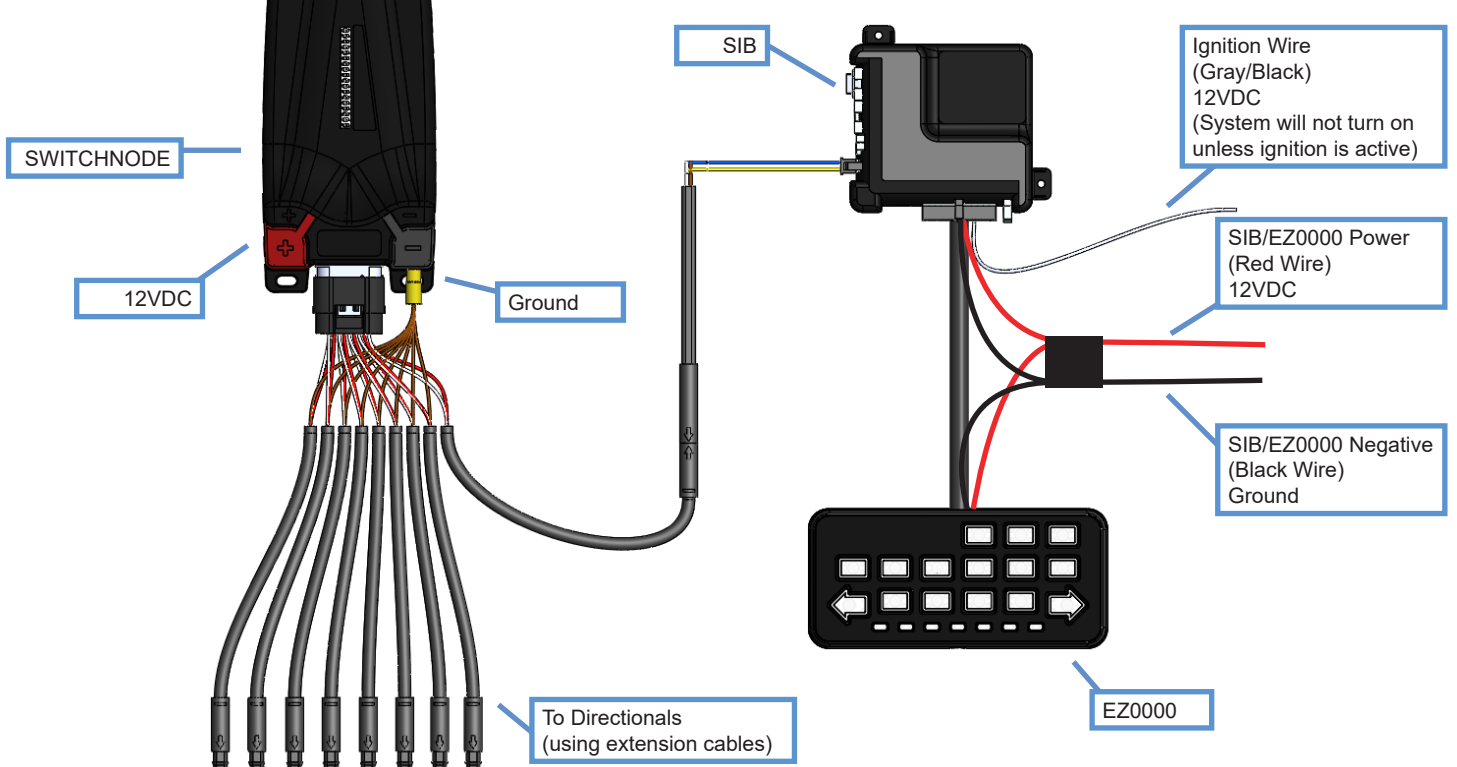
Attach covers to connectors to increase the breaking strain to 55 lbs. of the connector.



SYSTEM CONTROLLED USING SIB INPUT WIRES



SYSTEM CONTROLLED WITH EZ0000 CONTROLLER

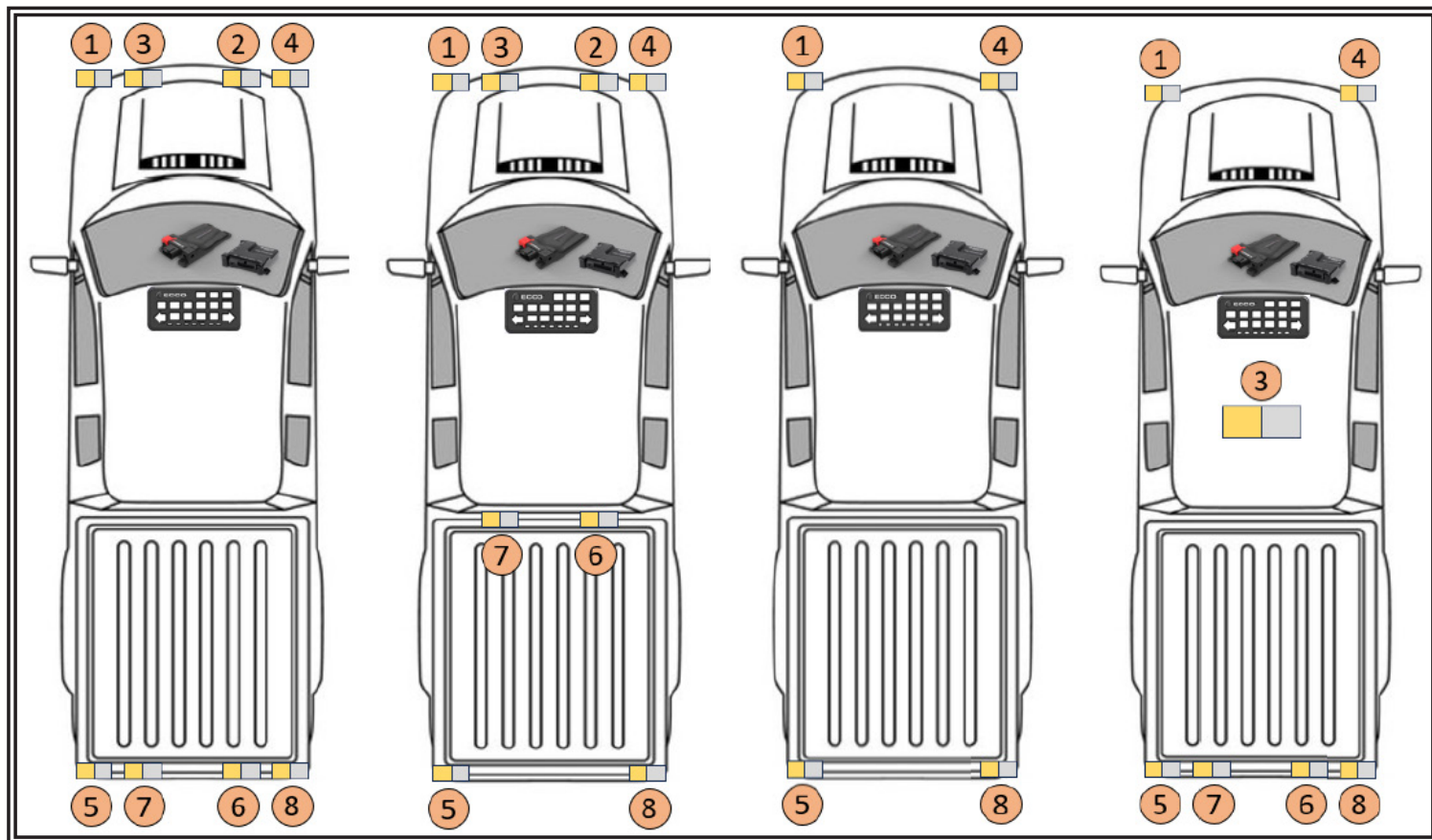


EZ0000 Controller		SIB	Color		Directional Flash Pattern
Button	Activate	Input Wire	Primary	Secondary	Name
1	Short Press	Green/Black	X		SINGLE FLASH 75, PRIMARY COLOR
2	Short Press	White/Black		X	SINGLE FLASH 75, SECONDARY COLOR
3	Short Press	Red/Black	X	X	SINGLE FLASH 75, FLASH OVER CRUISE, WIG-WAG,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

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.



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.

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