

SW830

Multi-purpose Switch / Control Panel w/ Power Module



Power Module

Control Panel

INSTALLATION

It is essential to install the unit properly to ensure safe and reliable operation. Please read through all instructions thoroughly and carefully before installing the unit. The correct mounting and wiring is the key to the effectiveness of SW830 switch. Installers must read and follow installation instructions and warnings in the manual from original manufacturer. The vehicle operator should verify this system is fastened to the vehicle securely and is functioning properly. Failure to follow all safety precautions and instructions may void warranties, cause personal injury and/or vehicle damage, including fire.

MOUNTING

Mount the power module in a location that is not exposed directly to weather elements such as the driver compartment firewall, below the seat, or in the trunk; and away from any air bag deployment areas. Ensure that all wiring harness connections are made prior to connecting the harness to the power module.

Assemble the included panel stand and secure it onto a desired smooth surface via suction cup, where it can be easily accessed by the vehicle operator. If no smooth surface is present, use the included adhesive base to assist the mounting; ensure that the surface is cleaned thoroughly before applying the adhesive base onto the mounting surface. Once the mounting stand is fitted, secure the control panel tightly onto the stand.

WARNING: Do not interfere with the proper operation of the vehicle airbag deployment system.

Note: Avoid mounting the switch unit with wiring harness exiting downward. This may cause harness connection to fall off during harsh or sudden impact.

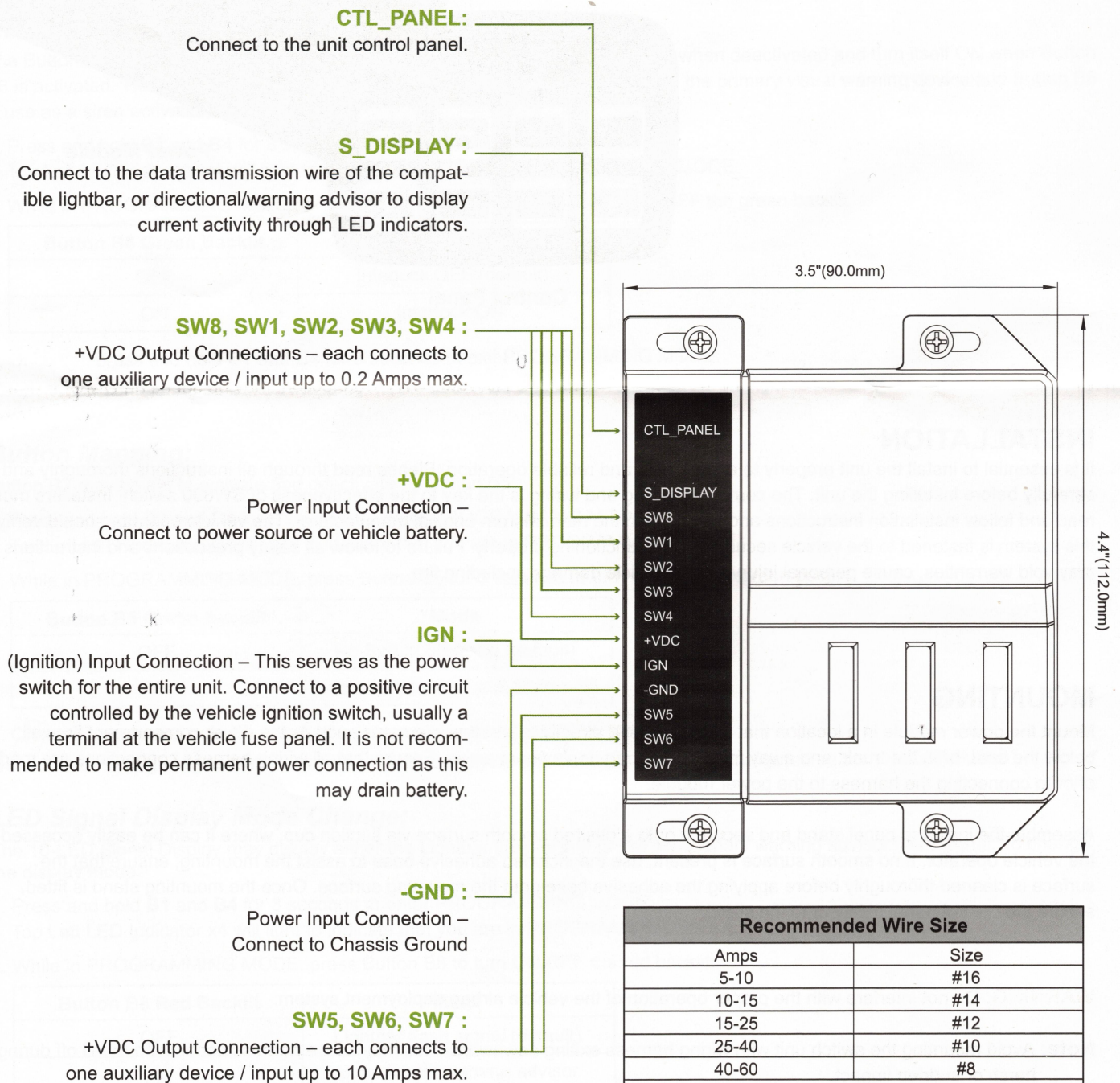
WIRING

Use wires that are capable of handling the required current. Route the wires properly to prevent wear, overheating and interference with air bag deployment. Ensure that all connections are tight and double check wiring before connecting to the vehicle battery.

ELECTRICAL CONNECTIONS

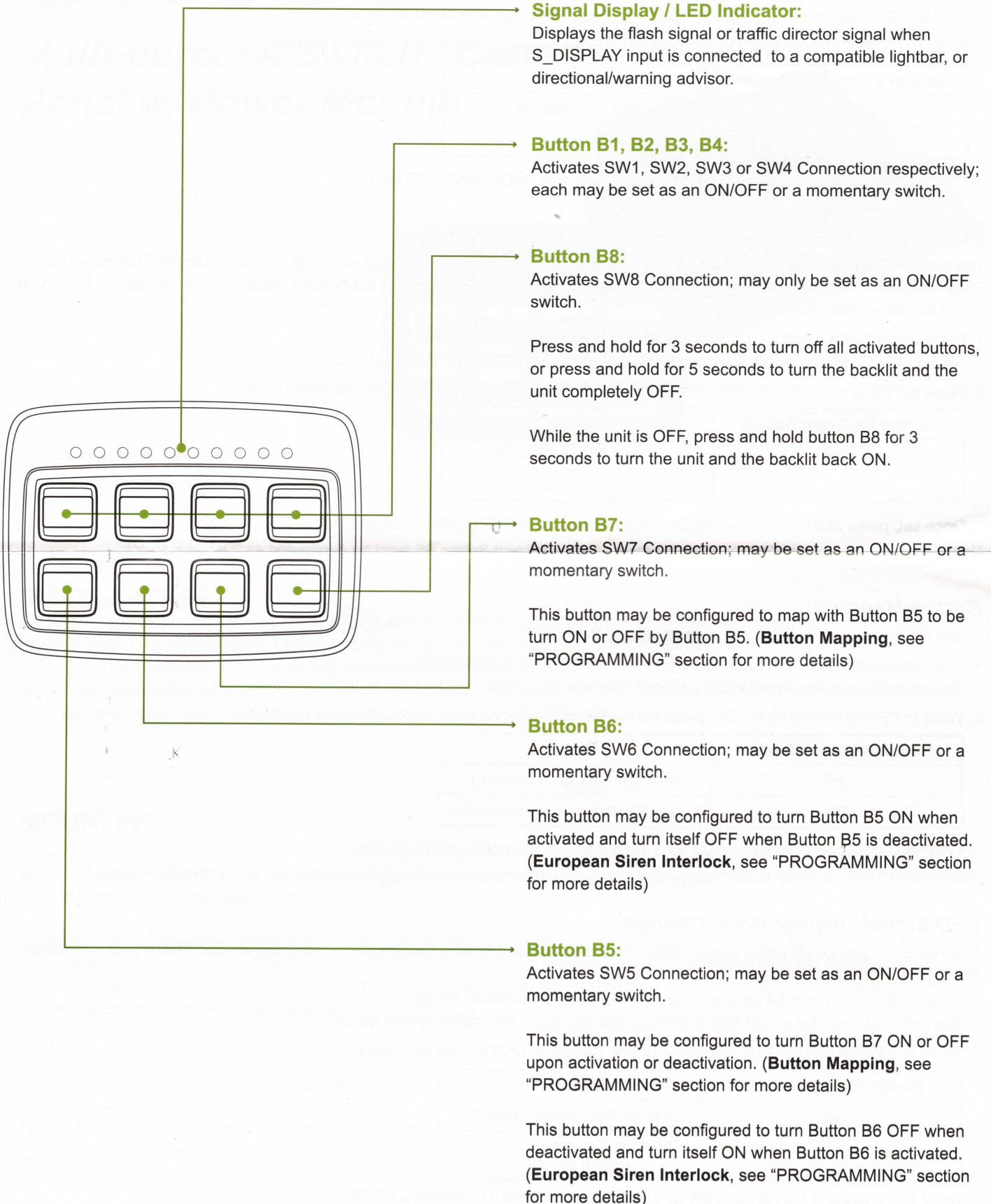
Electrical connections to the unit are made by using block plugs and screw terminals. Route all wiring to the power module and secure onto block plug terminals, then plug onto the power module. The plug can be easily removed without unwiring when the unit requires servicing. The power supply for the fused unit (12-P plug) must be capable of delivering peak currents up to 12A for adequate short circuit protection and proper operation. It is recommended to wire directly to the vehicle battery.

WARNING: ensure that all wires are firmly secured onto the block plug, and plug is firmly secured onto the power module.



CONTROL PANEL / FUNCTION

To turn on the control panel, apply positive voltage to the IGN (Ignition) terminal at the rear of the power module.



PROGRAMMING

ON/OFF or Momentary Button Setting:

Button B1 to B7 may be set as an ON/OFF or a momentary activation.

1. Press and hold **B1** and **B4** for 3 seconds to enter PROGRAMMING MODE.
Top Left LED Indicator x4 will light to indicate that you are in PROGRAMMING MODE.
2. While in PROGRAMMING MODE, turn ON or OFF the desired button for the following scenario:

Button B1~B7 Red Backlit	Button Mode
OFF	ON/OFF (default)
ON	Momentary

3. Once set, press and hold **B1** and **B4** for 3 seconds to exit PROGRAMMING MODE.

European Siren Interlock:

The Button B5 and B6 may be configured so that Button B5 turns Button B6 OFF when deactivated and turn itself ON when Button B6 is activated. This configuration is commonly used for that Button B5 is used as the primary visual warning device and Button B6 is use as a siren activation.

1. Press and hold **B1** and **B4** for 3 seconds to enter PROGRAMMING MODE.
Top Left LED Indicator x4 will light to indicate that you are in PROGRAMMING MODE.
2. While in PROGRAMMING MODE, press Button B6 for 3 seconds to turn ON/OFF the green backlit.

Button B6 Green Backlit	Mode
OFF	Interlock OFF (default)
ON	Interlock ON

3. Once set, press and hold **B1** and **B4** for 3 seconds to exit PROGRAMMING MODE.

Note: When configuring as Button mapping mode, Button B5 and Button B6 must be configured as "ON/OFF switch".

Button Mapping:

Button B7 may be set to activate and deactivate by Button B5.

1. Press and hold **B1** and **B4** for 3 seconds to enter PROGRAMMING MODE.
Top Left LED Indicator x4 will light to indicate that you are in PROGRAMMING MODE.
2. While in PROGRAMMING MODE, press Button B5 for 3 seconds to turn ON/OFF the green backlit.

Button B5 Green Backlit	Mode
OFF	No Button Mapping (default)
ON	Button B7 Mapped with Button B5

3. Once set, press and hold **B1** and **B4** for 3 second to exit PROGRAMMING MODE.

Note: When configuring as Button mapping mode, Button B5 and Button B7 must be configured as an "ON/OFF Switch".

LED Signal Display Mode Change:

The 10-LED Signal Display may display either the Lightbar flash signal or the directional / warning advisor flash signal. To change the display mode:

1. Press and hold **B1** and **B4** for 3 seconds to enter PROGRAMMING MODE.
Top Left LED Indicator x4 will light to indicate that you are in PROGRAMMING MODE.
2. While in PROGRAMMING MODE, press Button B8 to turn ON/OFF the red backlit.

Button B8 Red Backlit	Mode
OFF	Lightbar flash signal (default)
ON	Directional / warning advisor flash signal

3. Once set, press and hold **B1** and **B4** for 3 seconds to exit PROGRAMMING MODE.