

MULTI-PURPOSE SWITCH/CONTROL PANEL, LOW CURRENT

ETCPMP802



Control Panel

⚠ WARNING

- HIGH CURRENT interconnects must be properly terminated. Poor crimp quality can cause heat build-up and fire. Follow crimp connector manufacturer instructions.
- DO NOT install this product or route any wires in the Air Bag Deployment Zone. Refer to vehicle Owner's Manual for deployment zones.
- DO NOT use system to disconnect headlights, brake lights or other safety equipment.
- Unit may become hot to touch during normal operation.
- Failure to properly install connectors, fuses or wiring may cause vehicle failure or fire.
- Installation must only be performed by trained technician. Installer must determine vehicle wiring configuration and proper integration of system.
- Use proper wire gauge. All power wires connecting to positive (+) or negative (-) battery terminal or local chassis ground (-) must be sized to supply at least 125% of max. current and properly fused at power source.
- Install protective grommets when routing wire through firewall or metal.



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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 ETCPMP802 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.

PRODUCT SPECIFICATIONS

INPUT VOLTAGE	10-24Vdc
OUTPUT CURRENT	3x 0.2A + 4x 0.1A
CONTROL PANEL CABLE	36" 10 pin Cable Harness, 12" Jumper harness 22 AWG
OPERATING TEMPERATURE	-30° C to +65° C
WARRANTY	One-Year

DIMENSIONS

	Control Panel
Length	3.81" (9.69 cm)
Height	2.7" (6.88 cm)
Depth	1" (2.55 cm)

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

NOTICE:

Installers and users must comply with all applicable federal, state and local laws regarding use and installation of warning devices.

Improper use or installation may void warranty coverage.

To review our Limited Warranty Statement & Return Policy for this or any SoundOff Signal product, visit our website at www.soundoffsignal.com/tech-services/returns/.

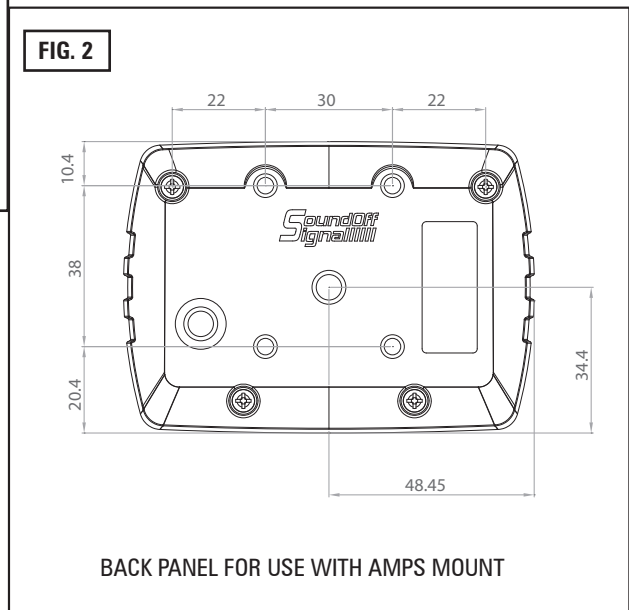
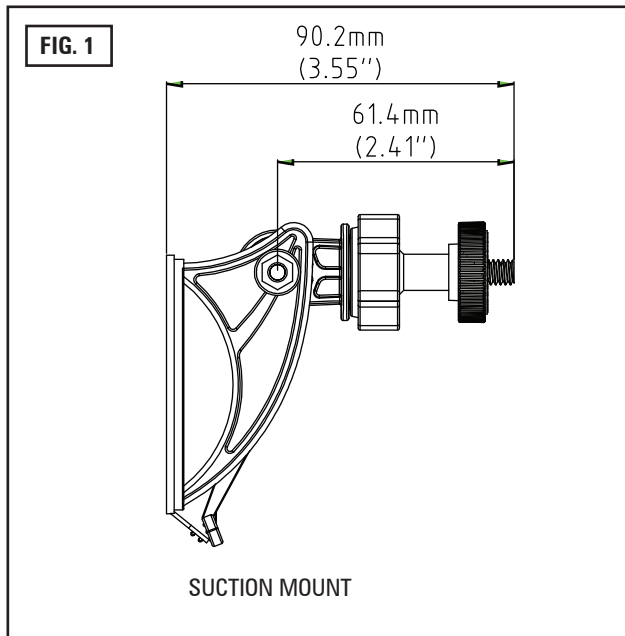
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MOUNTING:

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.

1. Center 1/4 - 20 Mount

- a) 1 X 1/4-20 Insert molded nut
- b) Max depth: .337" (8.5mm)

2. AMPS Mounting standard

The control panel can also be mounted by using a standard AMPS mount, using the parameters below:

- a) 30 x 38 mm (1.20" x 1.49") standard hole pattern, centered on rear housing
- b) 4 x 8-32 insert molded nuts (Included)
- c) Dimension for the gap between AMPS hole center to edge of cable exit 7.5mm (0.30")
- d) Max depth for 4 AMPS holes are 8.0mm (0.315")

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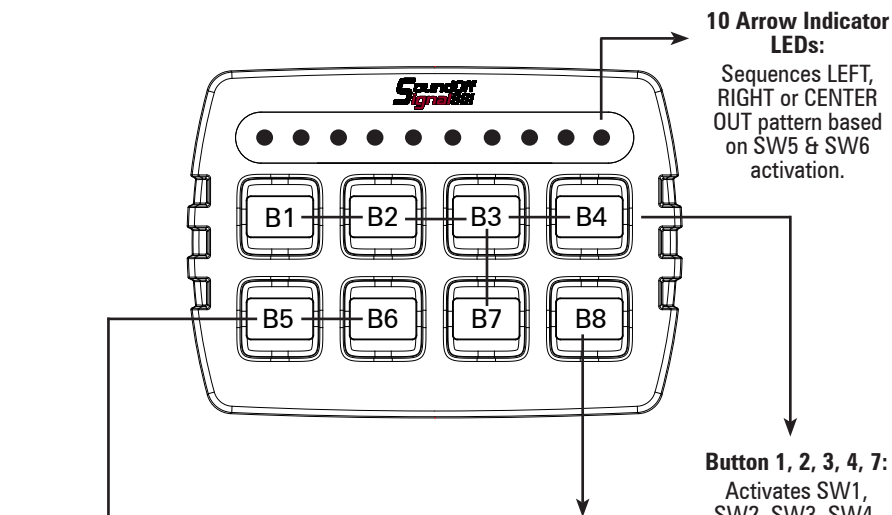
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CONTROL PANEL FUNCTION



Button 5 & 6:
Activates SW5, SW6 Connection respectively; each may be set as an ON/OFF or a momentary switch.

This button pair may be configured as a Traffic Director function; B5 – LEFT, B6 – RIGHT, B5 & B6 – CENTER OUT. B5 & B6 activates SW5 & SW6 respectively and also sequences the 10 Arrow Indicator LEDs to the corresponding direction. (Button Mapping, see "PROGRAMMING" section for more details.)

Button 8:
Activates pre-programmed buttons (For button mapping see "Programmable Combo Button" under "PROGRAMMING" section for more details.) Press and hold for 3 seconds to turn off all activated buttons, or press and hold for 5 seconds to turn the unit completely OFF. While the unit is OFF, press and hold for 3 seconds or cycle IGN input to turn the unit back ON.

NOTE: White Wire works in conjunction with Button 8.

PROGRAMMING

Programmable Combo Button:

Button B8 may be used to activate pre-programmed buttons from Button B1 to B7.

To set-up pre-programmed buttons:

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 and hold B8 for 3 seconds to start button binding.
3. While Top Right LED Indicator x4 are blinking, turn ON the desired button(s) to bind with Button B8.
4. Once set, press and hold B8 for 3 seconds to save the selected buttons then press and hold B1 and B4 for 3 seconds to exit PROGRAMMING MODE.

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 Backlight	Button Mode
OFF	ON/OFF (Default)
ON	Momentary

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

Traffic Advisor Mode Button Setting:

Button B5 and B6 may be set to display LEFT, RIGHT or CENTER OUT sequences on the 10 Arrow indicator LEDs.

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 backlight.

Button B5 Green Backlight	Mode
OFF	No Arrow Indicator Function
ON	Button B5 & B6 Sequence Traffic Arrow LEDs (default)

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

NOTE: If user set B5 & B6 as Traffic Advisor Mode, B5 & B6 can't be set as Momentary button. (Under the PROGRAMMING MODE, pressing B5 or B6 will not light up.)

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WIRE TABLE		
Pin	Wire Function	Wire Color
1	+VDC	RED
2	SW1	YELLOW
3	SW2	ORANGE
4	SW3	PURPLE
5	-GND	BLACK
6	SW4	GREEN
7	SW5	BLUE
8	SW6	BROWN
9	SW7	GRAY
10	BUTTON B8 - DISCRETE CONTROL INPUT	WHITE

WHITE WIRE INPUT CONTROL FUNCTION TABLE			
white wire input is secondary activation for Button B8			
Button B8	White Wire**	Bound Buttons* (SW Outputs)	Button 8 (ON = RED LED)
OFF	FLOAT	OFF (No Buttons Active)	OFF
ON	FLOAT	ON (Bound Buttons Activated)	ON
ON	+VDC	ON (Bound Buttons Activated)	ON
OFF	+VDC	ON (Bound Buttons Activated)	OFF
OFF	Remove +VDC -> Float	OFF (Bound Buttons Deactivated)	OFF

*Bound Buttons are programmed to Button B8, see button binding

**White Wire: connect to Toggle Switch, not for Momentary Switch

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.

SW1, SW2, SW3, SW4: +VDC Output Connections, each connects to one auxiliary device/relay/input up to 0.1 Amps max.

SW5, SW6, SW7: +VDC Output Connections, each connects to one auxiliary device/relay/input up to 0.2 Amps max.



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