



Steering Wheel Membrane Switch Plate

The DSE Steering Wheel Membrane Switch Plate is an alternative to the existing methods of switch wiring. The membrane is cost effective, lightweight, and designed specifically for the DW12 IndyCar.

Individual connectors to the Pi SWD and column and trim potentiometer make disassembly and service quick and effortless. The design is modular and plates can be swapped out in minutes to accommodate driver preferences.

Benefits:

- Lightweight (weight as shown is < 0.25 lbs)
- Configurable button function by changing software or wiring configuration and labels
- Rubber top layer / waterproof membrane circuit
- Button feel (force and height) not compromised as compared to traditional pushbuttons.
- Clean wiring interface with connectors instead of splices
- Specific connectors for column, SWD and potentiometer
- Internal splices reduce bulk, complexity and weight
- Reduced assembly and repair time
- Reduced risk of wire damage (pinched wires, etc.)

Design:

An option to fit the Indy Composite Works carbon steering wheel has already been designed by DSE (pictured). This option is the most cost effective as new tooling does not need to be created to manufacture the membrane. Custom aluminum mounting plates are included at no additional cost.

Any configuration can be designed and manufactured. Additional features are possible including LEDs, digital displays, and other embedded electronics.

General Specifications:

- Rubber button surface and membrane face.
- Optional textured, polyester overlay available (shown in black, customized color print available)
- 0.55" Diameter x 0.175 buttons with firm tactile feedback
- Polycarbonate Gasket Surround
- Adhesive-Backed Membrane
- Anodized aluminum mounting plate shown (configurable)
- 0.25 –1 lb weight savings is typical (savings depends on mechanical design and previous configuration)

