

Door Event Trigger Switch (RLACS345)



Precision Door Event Detection for Automotive Testing

The VBOX Door Event Trigger Switch (RLACS345) is a compact, highly responsive sensor designed for detecting vehicle door status with precision and reliability. Ideal for automotive testing and validation environments, it offers a non-invasive way to log door open/close events in real time.

The RLACS345 is a key component of the VBOX Dooring solution, integrating seamlessly with VBOX and third-party data loggers. It provides a definitive digital signal whenever a vehicle door is opened or closed, ensuring reliable results during consumer and development testing.



Features

- **Simple Integration**
Easily installed between the vehicle door and body – no permanent modifications required.
- **Digital Output**
Integrated in-line resistors provide a clear 0 V (closed) / supply voltage* (open) signal for straightforward digital logging.
** Amplitude of the supply voltage will determine the 'on' state voltage*
- **Robust & Flexible Design**
Slim, flexible form factor conforms easily to a range of door seals and geometries.
- **Real-Time Feedback**
Instant status updates when used with VBOX Test Suite
- **Versatile Application**
Can be used to detect not only door status, but also bonnet, boot or other panel movement.


Door Event Trigger Switch (RLACS345)



Specifications

Description	Values
Output Type	Linear voltage dependent on power source
Size	Ribbon switch length: 130 mm Cable length: 3 m

Wiring

Wire Colour	Function	
Red	Power	
Black	Ground	
Yellow	Signal	
Blue	Signal Ground	