

Applications

- Single family residence.
- Multi-residential condo.
- Business.

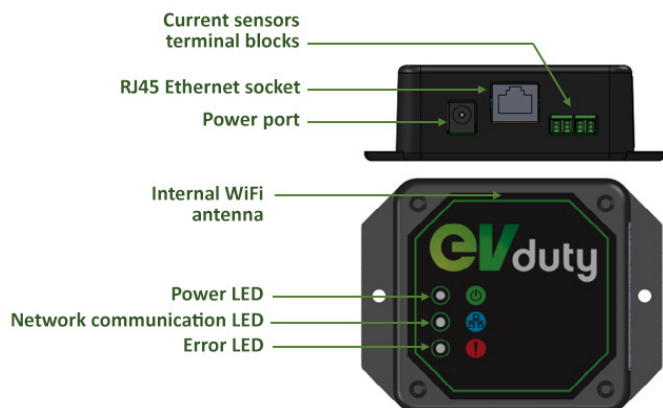
Features

- Real-time current reading.
- WiFi and Ethernet communication.
- Web-based configuration.
- Real-time diagnostic system.
- Use with one or more EVC30 charging station(s)⁽¹⁾ on the same electrical panel.

Description

The EVduty EVCCS200 is a current sensor placed on the main circuit breaker of an electrical panel in order to read current consumption in real time. The sensor sends these readings to one or more charging station(s) electrically connected to that panel. The charging station(s) can then adjust their charging current. If the available current is not sufficient, the charging station(s) may also pause charging until the current is back at a sufficient level.

Here is a description of the main parts of this equipment:



Specifications

Power

100 – 240 VAC 50 / 60Hz

Dimensions (L x W x H)

108 mm x 852 mm x 31.8 mm
(4.25" x 3.354" x 1.250")

Current sensors

- Clamp-on current transformer
- Opening diameter: 24.2 mm (0.95 ")
- Dimensions: 69.6 mm x 43.5 mm

Current reading range

0 – 200 A

Operating temperature

- 15°C to 40°C

Weight

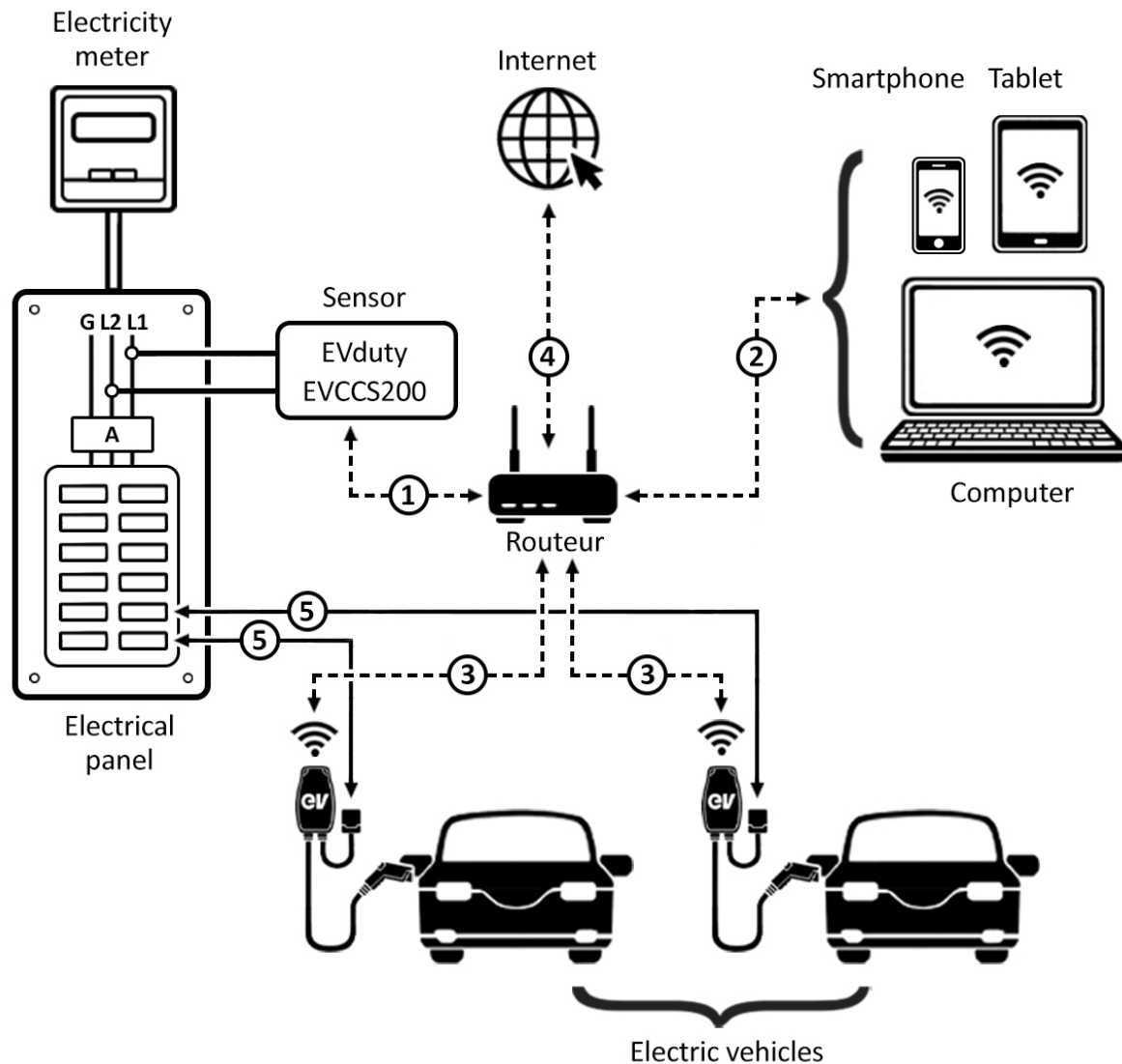
300g (0.66 lb)

Advantages

- Allows for the installation of one or more charging station(s) on the same electrical panel without having to increase its capacity.
- High precision current reading ($\pm 1\%$).
- Communication with the EVduty EVC30 charging station(s)⁽¹⁾.
- Automatically adjusts the EVduty EVC30 charging station(s) charging current⁽¹⁾.
- Simple and concealable installation system.

(1) : "Smart-Home" and "Smart-Pro" versions only

Example of installation on main circuit breaker



A: Main circuit breaker.

1: Connection of the EVCCS200 module to the local network via WiFi or Ethernet cable.

2: Configuration from a computer, tablet or smartphone.

3: Communication with the EVduty EVC30 charging station(s)⁽¹⁾.

4: Diagnostic information and software update.

5: Electrical connection between the charging stations and the electrical panel

(1) : "Smart-Home" and "Smart-Pro" versions only