

This instruction is applicable to the following Rolec ChargeCheck product: **EVTU0018**

The ChargeCheck:EV is designed to perform a number of safety and function tests on Electric Vehicle Supply Equipment (EVSE) using Mode 3 format, up to and including 32Amps at 230V AC.

The ChargeCheck:EV performs the following:

- IEC62196 (Type 2) Mode 3 communication check.
- RCD / RCBO fault current test capability via 13amp auxiliary socket*.
- Earth loop impedance test capability via 13amp auxiliary socket*.
- Polarity check.
- Earth presence check.
- J1772 (Type 1) Mode 3 communication check.

IMPORTANT: The ChargeCheck:EV unit is designed for use only by competent and qualified electricians in accordance with BS 7671 and the IET Codes of Practice.

Testing a Type 1 (J1772) EV Charging Station with a tethered lead

- Plug the charging station's tethered lead directly into the ChargeCheck:EV unit's Type 1 socket.
- Test in accordance with the procedure on page 2.

Testing a Type 2 (IEC62196) EV Charging Station with a tethered lead

- Plug the Type 1 plug on the adaptor lead (supplied) into the Type 1 socket on the ChargeCheck:EV.
- Un-holster the Type 2 plug and uncoil the tethered lead.
- Plug the Type 2 end of the adaptor lead into the Type 2 plug on the end of the charging station's tethered lead.
- When completed, test in accordance with the procedure on page 2.

Testing a Type 2 (IEC62196) EV Charging Station fitted with a socket

- Plug the Type 1 plug on the adaptor lead (supplied) into the Type 1 socket on the ChargeCheck:EV.
- Plug the Type 2 end of the adaptor lead into the Type 2 socket on the charge station.
- When completed, test in accordance with the procedure on page 2.

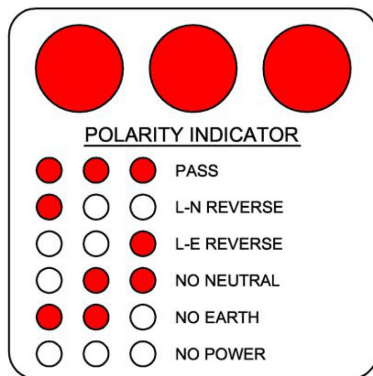


1. Test Button
2. 13A Socket
3. J1772 (Type 1) Socket
4. Adapter Lead
5. Polarity Indicator.

Test Procedure

Once the ChargeCheck:EV is connected to the charge station, test the equipment as follows:

1. Switch on the mains power to the EVSE charging station and wait 30 seconds for the internal communication unit to run through its automatic start-up procedure.
2. Press and release the test button to initiate the test procedure. The button will glow green.
3. Monitor the lights in the polarity indicator panel for the correct polarity and earth presence status.



4. If one or more of the lights remain unlit, discontinue the test by pressing the test button then disconnect the ChargeCheck:EV unit from the charging station. Investigate the reasons for the fault before resuming the test procedure.
5. Once the polarity test is completed successfully, perform the RCD function and earth loop impedance tests using the appropriate test instrument via the 13 Amp socket fitted to the ChargeCheck:EV.*
6. Once all the tests are completed, the EVSE Charge Station is ready to use.

***NOTES:**

- The supplied adapter lead must NOT to be used for charging vehicles.
- The RCD/RCBO and earth loop impedance tester are not provided as part of the ChargeCheck:EV equipment.