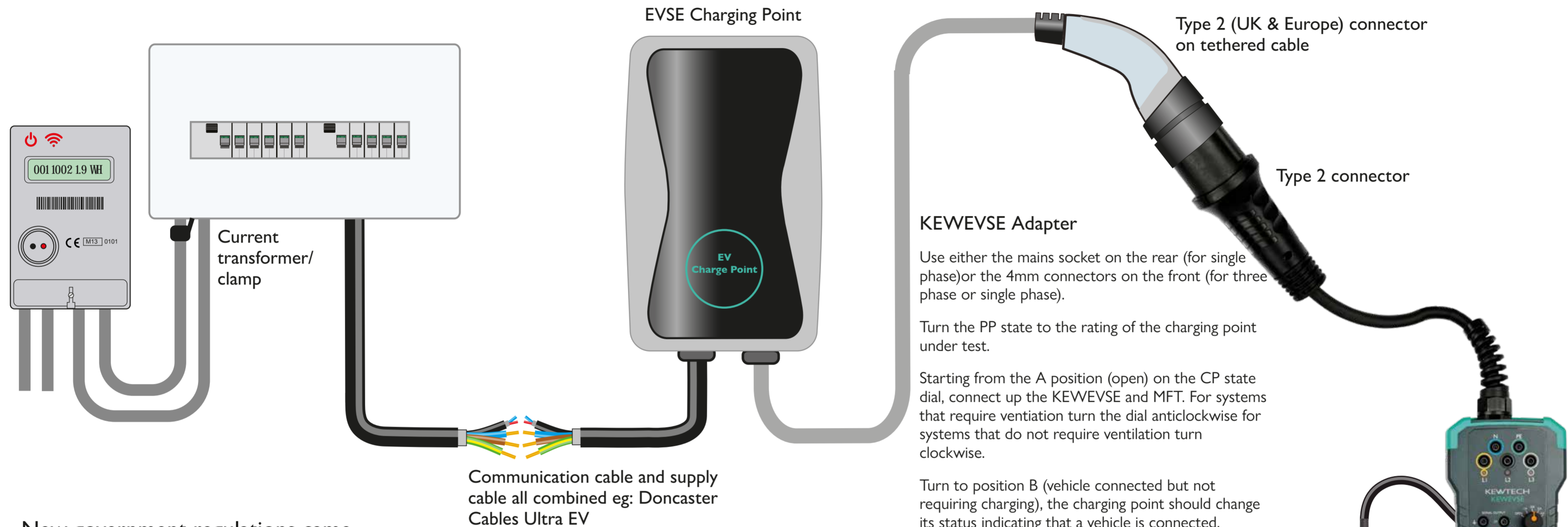


# Clear Thinking with Kewtech EV Installation and Testing



### KEWEVSE Adapter

Use either the mains socket on the rear (for single phase) or the 4mm connectors on the front (for three phase or single phase).

Turn the PP state to the rating of the charging point under test.

Starting from the A position (open) on the CP state dial, connect up the KEWEVSE and MFT. For systems that require ventilation turn the dial anticlockwise for systems that do not require ventilation turn clockwise.

Turn to position B (vehicle connected but not requiring charging), the charging point should change its status indicating that a vehicle is connected.

Turn to position C for unvented or D for (ventilation required). The contacts in the charging point should open and the electrical safety test can be undertaken.

In the case of the protective devices tripping during the RCD / RDCDD tests the dial should be turned back to A and then C or D. (Note: some charging points will reset themselves without the COP dial being turned to a A and back to C or D).

New government regulations came into force on 1st July 2021

The regulations ensure charge points have smart functionality, allowing the charging of an electric vehicle when there is less demand on the grid, or when more renewable electricity is available. The regulations also ensure that charge points meet certain device-level requirements, enabling a minimum level of access, security and information for consumers.

### Tests recommended

1. Functionality of EVSE by way of a KEWEVSE adapter
2. Electrical Safety tests using an EVSE adapter and an advanced MFT (KT66DL) to test:
  - a) Type B RCDs
  - b) Type A RCDs
  - c) 6 mA RDCDDs
  - d) Loop impedance



Scan to view video

Kewtech 'Clear Thinking' diagrams are schematics to aid the understanding of electrical testing. Ensure proper safety procedures are taken before any testing.

Johnny Ace says:

Remember to operate all socket-outlet switches while conducting tests.

