

Change of CT Clamp

Getting ready for ENA EREC G100.2

Note to Installer:

G100.2 will define how we do load curtailment on Smart PRO. Key changes are:

- New style CT clamps are coloured blue instead of white.
- The CT clamp now has a pigtailed cable to prevent removal or tampering.
- You will need to fit a security / tamper sticker around the CT clamp clasp to prevent removal.
- If the Smart PRO does not see a CT clamp or the signal is poor quality, and you have configured the unit for load curtailment, the unit will revert to 6A max charging to protect the service head fuse.

Installation:

1. Use either a combined data and power cable (such as Doncaster EV ultra), or a CAT 5/6 data cable (with power run separately), terminate the blue and Blue/White conductors into the Smart PRO motherboard IDC punchdown connector.
2. Identify where to join the CT and data cable conductors. The join should be located within 2 meters of the CT clamp location. The connection must be mechanically protected in a suitable enclosure such as:
 - a. The consumer unit feeding the EV Charger (with appropriate glanding). (Picture 1)
 - b. A Wiska style adaptable box (with appropriate glanding).
 - c. A WAGO style junction box. (Picture 2)
 - d. A standard socket box with blanking plate or data socket (if combined with hardwired data). (Picture 3)
3. Join the Blue and Blue/White data cable conductors to the pigtailed CT clamp conductors using the supplied jelly crimps. Suitable lever style connectors (e.g. WAGO) may also be used.

Data Cable Conductor	CT Clamp Conductor
Blue	Red
Blue and White	White

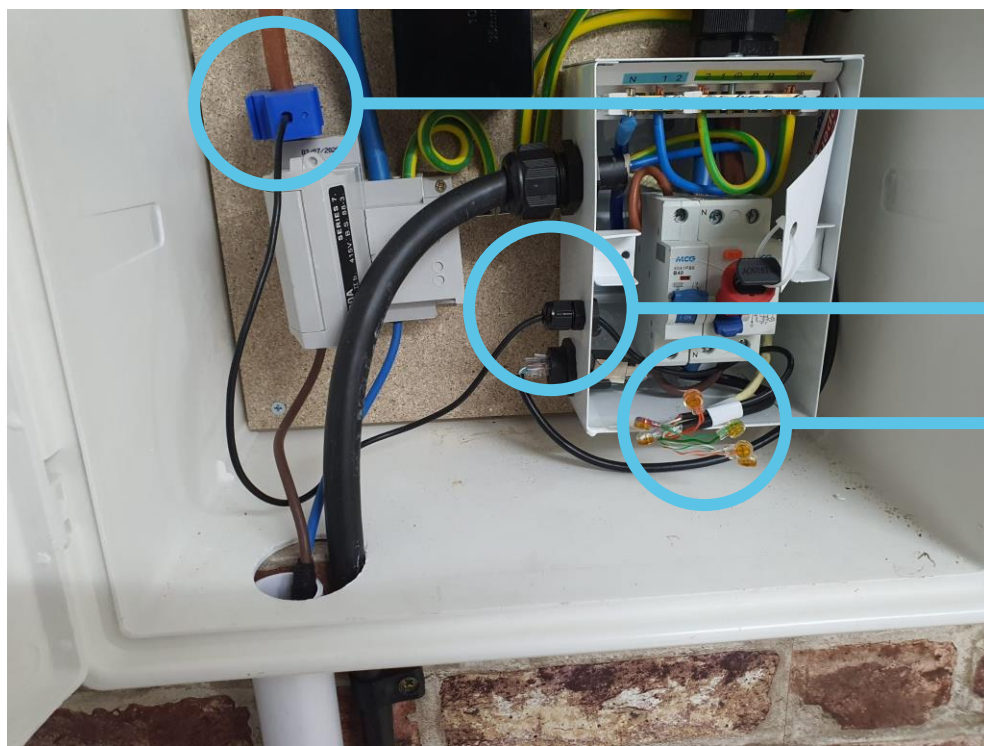
4. Place the CT clamp around the Line meter tail (do not fit tamper protection at this stage).
5. Complete the commissioning process in the installer app.
6. Fit the security / tamper proof sticker (Note, this will not be supplied until G100.2 comes into force).

Our training video series with eFIXX covers the use of jelly crimps and gives an example installation in this video. Jelly crimps and data covered from 9:47 onwards. (Follow the QR code).



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CT Clamp

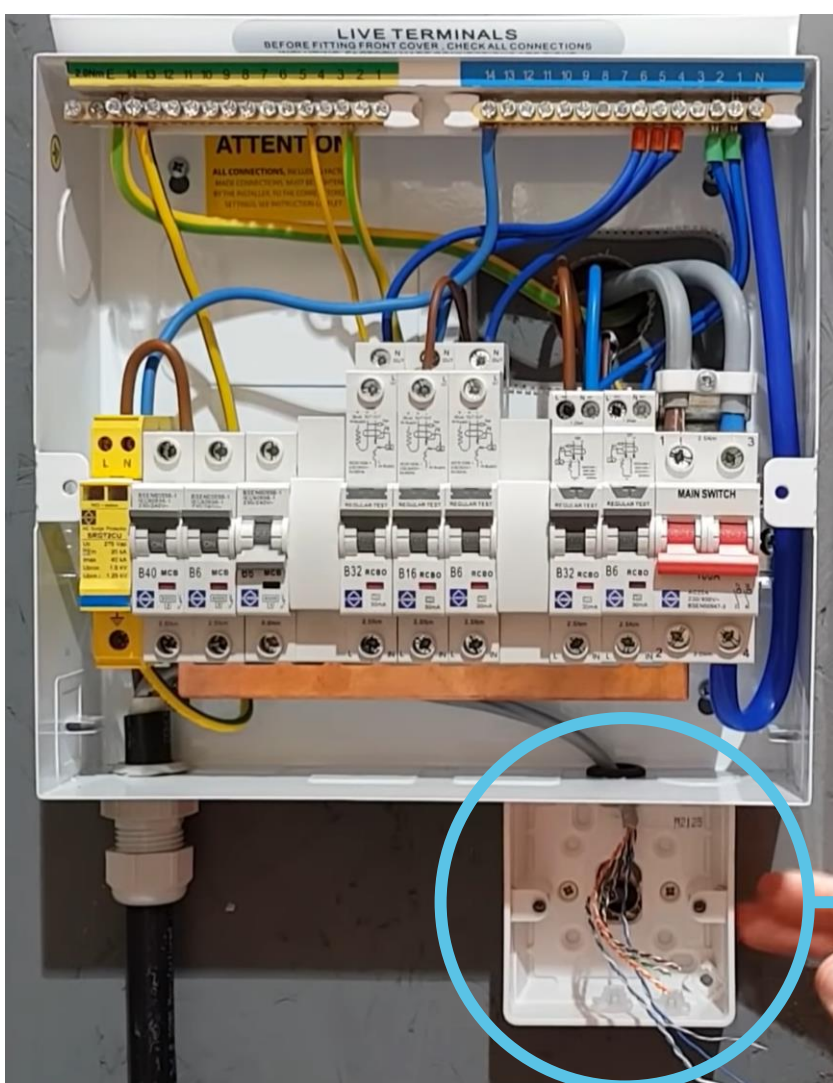
Gland

Jelly Crimps (CT and data in this example)

Picture 1 - Join located within the consumer unit feeding the EVSE

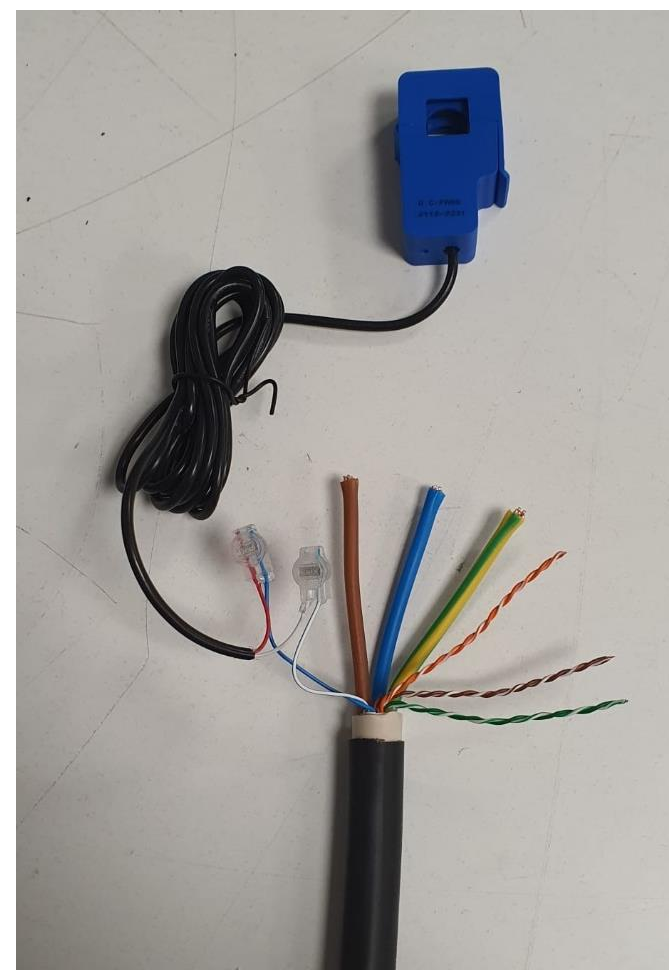


Picture 2 - WAGO style junction box



Data Socket (CT and data here)

Picture 3 - Data Socket



Picture 4 - Example EV Ultra to CT with jelly crimps