

## QUICK INSTALLATION GUIDE

### How to install a carbonTRACK CT200 hub

#### 1. TRAINING & ACCREDITATION

1. Complete online training and accreditation: <http://www.onlineinduction.com/carbontrack/>
2. Receive log in details from carbonTRACK via email
3. Log into installer dashboard via <http://my.carbontrack.com.au/>

NB: The accreditation also counts for 35 CPD points with the Clean Energy Council for solar installer accreditation.

#### 2. EQUIPMENT CHECKLIST

1. Phase rotation meter, Multimeter, Load tester
2. Installation manual via <http://www.carbontrack.com.au/distributor/installer>
3. Android phone or tablet (for commissioning) or internet access to login to the <http://my.carbontrack.com.au> website via an iPhone, iPad or computer
4. carbonTRACK diagnostic dongle and access to Diagnostic app on Google Play
5. Basic hand tools: hammer drill and fixings, 25mm hole saw, corrugated conduit and glands, 1.5mm twin & earth cable, twin active cable.

#### 3. STANDARD INSTALLATION

1. Mount the unit within 2 metres of the switchboard
2. Power the hub with 1.5mm twin and earth cable from an appropriate circuit/breaker
3. Clamp all incoming mains and solar actives (refer to schematics on page 2)
  - a. Hub must be powered from the same phase as clamp 1 (mains) and clamp 4 (solar)
    - i. i.e. if powered from red: clamp 1 = red & clamp 4 = red
  - b. If the install is three phase mains, the following two mains clamps must follow phase rotation (if the 1<sup>st</sup> clamp is on white, 2<sup>nd</sup> = blue and 3<sup>rd</sup> = red, for standard phase rotation)
  - c. On the CT200 hub, the solar clamp must be installed into port 4.
4. For switching applications: install 1.5mm twin active cable to the relevant circuit breaker. Feed from the circuit breaker of the circuit being switched and take it to the relay. Connect the other side of the twin to the load active and the other terminal of the relay
  - a. If switching is included a bypass switch must be installed in parallel with the relay

#### 4. COMMISSIONING

1. Log into installer dashboard via <http://my.carbontrack.com.au/>
2. Search for the customer and press **NEW**
3. Search for the device using DIN (Device Identification Number) on the side of the unit e.g. **8605850012XXXXX** and press **Commission**
4. Set up hub information; device name (use customer name), time zone, device profile, customer address
5. **Device Control** can be set up by filling in the **Control ID** (0,1,2) to match the relay used, **Control Name** (circuit switched), and **Control Type** (AUX unless otherwise instructed)
6. Set up **Device Configuration** to match install, e.g. if two clamps have been installed two must be activated. (1 and 4 for single phase mains and single phase solar)
  - a. Phase adjust must be on for three phase installs, voltage sensor must be on every install
7. **Measurement Configuration** must reflect how the clamps are installed (e.g. 1 usage and 4 generation for single phase mains and single phase solar)
8. Run each **Test** (comms, mains, solar) if a test fails, follow prompts and re-test until a pass result is achieved. If problem persists, please call **1300 288 648 (ext. 3)**
9. When commissioned, the customer will receive a welcome email and you will be redirected to their dashboard. Check that data has posted
10. Test relay switching (if applicable)
  - a. Check for voltage with relay both on and off (switching in device section on dashboard)
  - b. Check for voltage with the bypass switch on and off
  - c. **Do not leave site if switching does not test successfully Call 1300 288 648 (ext. 3) for support**

## STANDARD INSTALL

