

ANDERSEN A2

# Adaptive Fuse Smart Energy Management

| Installation Guide

## Introduction

Adaptive fuse is an Andersen Konnect feature that balances vehicle charging simultaneously against the total building energy consumption.

The smart adaptive fuse feature automatically controls the vehicle charging rate to ensure that the chargepoint does not cause the electricity supply current limit to exceed the building main fuse rating.

## Installation

The adaptive fuse feature requires the installation of an optional\* external CT clamp (Current Transformer). This is installed around the live mains input supply, close to the domestic energy meter (Fig:1).

A twisted pair shielded signal cable should be used to connect the CT clamp to the Andersen chargepoint. The cable length between the CT clamp and chargepoint should not exceed 30 meters.

\* The optional CT clamp part information

This CT can only be purchased from Andersen EV.

Manufacture Part No. CTSCMWH120/0.333V

This CT clamp is specifically calibrated for use with the A2 unit.

No other CT clamp model is supported for the adaptive fuse feature.

This installation manual applies to A2 chargepoints installed after May 2020 with a Thurlstone revision board installed. Please contact support for model installed before this date

## Installation

Fig:1

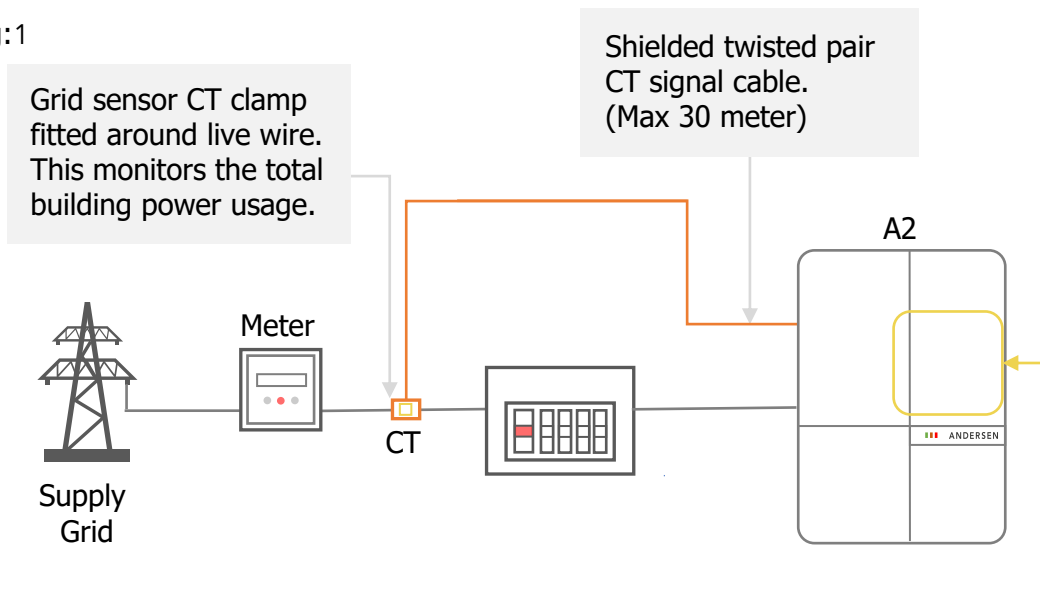
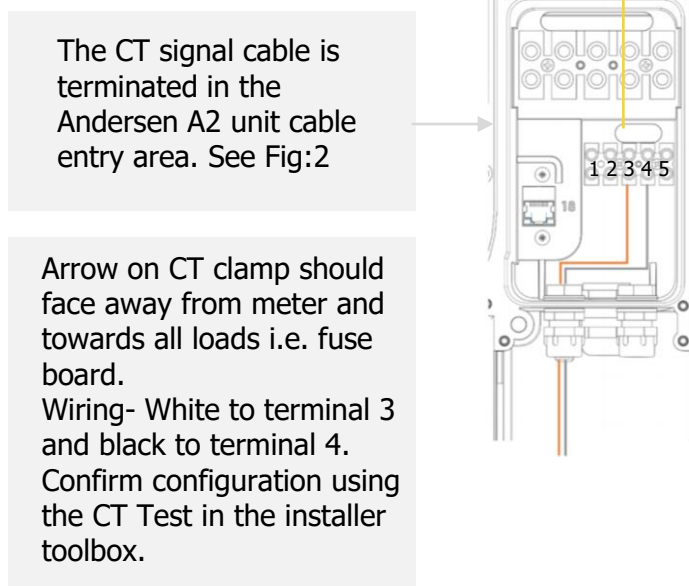


Fig:2



# Adaptive Fuse Smart Energy Management

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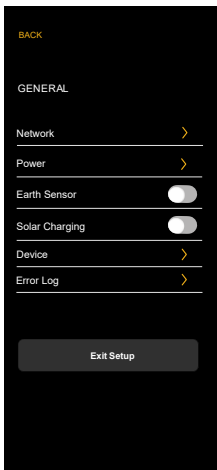
## Configuration

To use the adaptive fuse function changes must be made to the A2 units firmware setup configuration.

The configuration changes are made using the Andersen Konnect + app installer Bluetooth configuration tool.

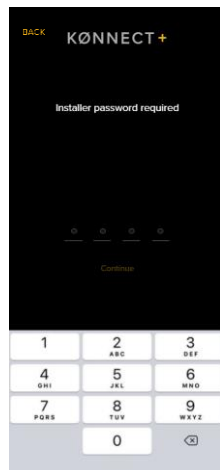
1

Select **Power** menu option



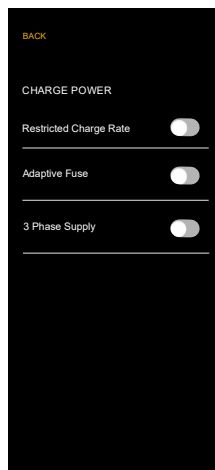
2

Enter **PIN** to access **Power** menu



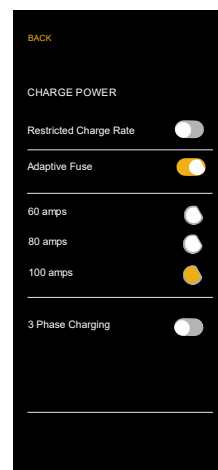
3

Select **Adaptive Fuse** menu option



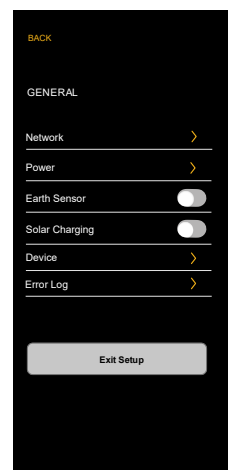
4

Select the **Amperage Value** which is required



5

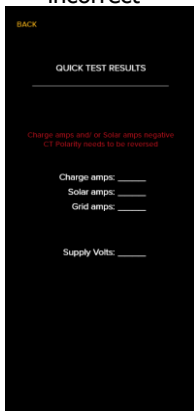
Select **Exist Setup** from the main menu



These are different messaging possibilities depending on the polarity of the CT and the current through each phase

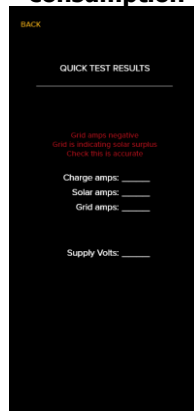
6

If negative current on **grid or solar**, **CT polarity** incorrect



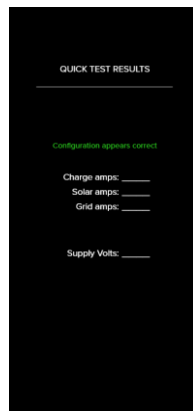
7

If grid amps negative, **check home consumption**



8

If **CT polarity correct**, this message will appear



If the main building supply fuse rating is changed, then the A2 chargepoint configuration must be changed accordingly. The configuration can be accessed via the Andersen Konnect + app, Bluetooth configuration tool.