



**Sensors**



**Switches**



**Controls**

## Application notes



**Application Note : April 2022**

**Market involved : Residential EV charging**

**Product : CTM2Z**

**Customer : Distributors, Installers**

**Subject : Accessory for load management in residential EV charging installations**

### CUSTOMER ISSUE :

In residential EV charging installations, the total house consumption needs to be monitored to manage the charging process and avoid exceeding the maximum allowed power consumption.

### OUR SOLUTION :

The CTM2Z is compatible with those EV chargers available on the market that provide basic but cost-effective load management functionalities through mA current inputs.

Being a compact and split-core solution, the CTM2Z can be easily installed into existing cabinets, while low signal intensity enables longer distance coverage (compared to 5A current transformers) from the main cabinet to the EV charger.

### BENEFITS :

- Compactness
- Split-core
- Big hole diameter (16 mm) suitable for most of the wires used in residential environments