

CS.400:

1. Features:

The CS.400 is a current (max 40A ac) to pulse sensor.

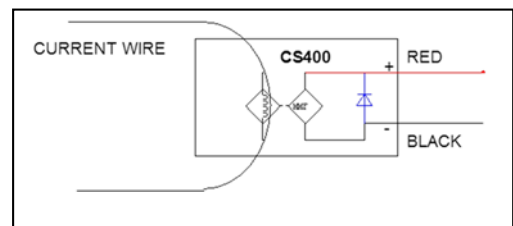
This module detects whether supply current is present, and thus whether a device is on or off and that status will then be translated into a potential free contact pulse output.

This volt-free contact is then connected to a 2-wire input module for the exact measuring of the "on" time (or PC.080 EC.441 module). By measuring the exact "on-time" for units with a constant consumption (lighting, water pump, heat resistance ...) we can in this way measure operation hours and calculate consumption (Wh, litres, m<sup>3</sup>, ...) of a device.



2. Technical data:

- PCB (embedded), dimensions 30x20x15mm (LBH), IP20, +- 25 grams
- Current measurement via coil for phase conductor of the device
  - Up to max. 4 mm<sup>2</sup> conductor, hole diameter 5 mm
  - Max. current: 40A ac, Minimum 40Watt
  - Consumption: 0mWatt
  - Insulation resistance: 3750V / 1minPuls
- output (red-black)
  - Transistor with optical coupling
  - Maximum voltage 24Vdc, default 5Vdc
  - Current:
    - 1mA/ 0.3V drop
    - 2mA/ 0.5V drop
- Protected against reverse polarity
- Operating conditions: 10 ° C- + 50 ° C, max 93%, up to 2000 meters
- CE: In accordance with EMC and low voltage regulations.



3. Safety instructions:

Carefully read the manual before starting the installation.

CAUTION:

- The module may only be installed by a qualified electrician.
- The tension must be stopped before working on the module.
- The pulse output is floating so NO AC or DC > 24Vdc voltage at the input connect otherwise the module is irreparably damaged.
- The guarantee expires if a module is opened!

4. Connections:

- Coil for passage phase conductor
- Pulse from + conductor (red) - conductor (black)