an Indo-French joint venture

Dual Source Meter
CT - 2EMG

Mains & Generator Supply

HPL Socomec offers energy metering solution of two sources in one meter

Some Unique Features

- ✓ One Meter records Active Energy of two Sources
- ✓ Backlit LCD type Display
- ✓ RS 485 Port
- ✓ IP 54 Degree of Protection

ISO-9001:2000

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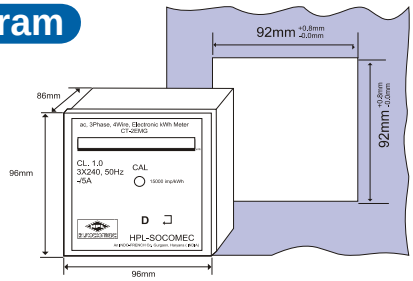
Features

- Suitable for 3 Ph 4 Wire Network
- Two separate energy registers i.e. one for consumption from mains and the other from generator.
- Flashing indication on display to indicate the source in use
- Compact Size 96x96 mm Flush mounted
- Accuracy class 1.0
- RS 485 MODBUS (separate model) available to connect upto 32 Nos. CT-2EMG on one Communication Port over a cable distance of 1000 meters on a network. Totally 255 devices can be connected on a modbus network
- Current revesal indication provided on display
- Sealing facility provided
- Source selection through RS 485 network provided.

Model Available

- CT - 2EMGA - Basic Model
- CT - 2EMGA1 - Basic Model with RS 485 MODBUS

Cutout Diagram



Technical Specifications

Enclosure:

Dimensions	96mm x 96mm x 86mm
Weight	300gms

Front Panel

Display	Backlit LCD Display
Digit Height	8mm x 4.8 mm
Protection Index	IP 54

Inputs

Current:

• Via Current Transformer with primary	from 50A to 1200A configurable in multiples on 10
• Insulated secondary	5A
• Current circuit burden	<0.1VA
• Overload	7A

Voltage

• Measurement range	120V AC to 300V AC Phase to Neutral
• Voltage circuit burden	0.1VA

Auxiliary Supply

230V AC ± 30%, 50 Hz
Burden<2.5VA

Accuracy

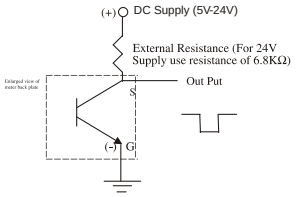
• Active Energy	Class 1.0

Pulse Output

Open Collector type pulse output available.
1 pulse = 1 kWh;
Pulse Duration = 100 msec Mininmum

Puse Output Wiring Diagram

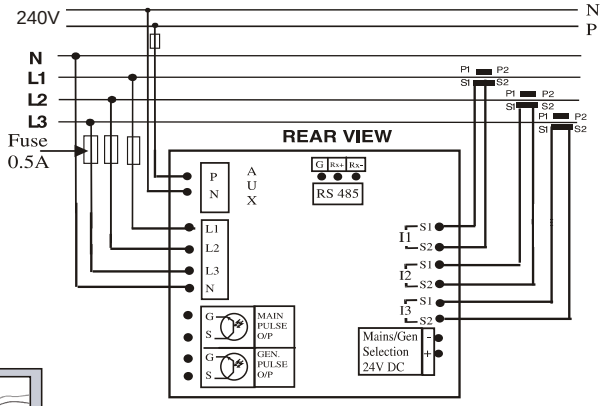
- Separate pulse out put for mains and generator
- Pulse Output is Open Collector Type.
- External Resistance is to be used between DC Supply point & "S" of our pulse output.
- For 24V DC use an external resistance of 6.8KΩ.
- This external resistance value will vary depending upon the external voltage (5-24V) being given by the user.



Wiring Diagram

The meter shall be as per the following wiring diagram

For 3 Phase 4 wire network



For Details please refer installation manual

Communication Diagram

- This document is not a contract
- As part of our continuous improvement processes the specifications are subject to change without prior notice

CT-2EMG / HSPL 0505

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an H 9001:2000 Certified Company

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