DAE DDM710P

RS485, 120V kWh Meter, 100A, 1P2W (1 hot wire, 1 neutral), Pass Through

[Specification]

Model	DDM710P
Nominal Current Rating	100 A
Nominal Voltage Rating	120VV
Meter Accuracy	Class 1
Operating Frequency	50/60 Hz
Mounting Style	Din Rail Mounting
Color	White
Display	6 digits register counter, LCD Backlight
Meter Type	Electronic

[Feature]

- DAE DDM710P, With RS485 communication, 120V kWh Meter, 100 Amp, Internal CT, hot wire pass through, 1 Phase 2 wire (1 hot wire and 1 neutral), 60Hz or 50Hz
- Conforms to International Standard IEC62053-21 and IEC62052-11
- Pulse output: 1600 pulses per kWh
- RS485 Communication, Modbus/RTU protocol, Format: 8/n/1, Address: 1~254 (default: last 2 digits of serial number), Baud rates: 9600 bps
- If the hot wire diameter which passes through the meter is under 0.2 inch, please insert the wire into the tubes (attached with the meter) first and then pass through the meter. If the hot wire diameter is more than 0.2 inch, please pass the wire through the meter directly without using the tubes. The hole diameter on the meter is 0.45 inch. Measure your wire to be sure it is less than 0.45 inch in diameter before ordering this meter.
- The dimension of the meter is 3.46 in (88 mm) long, 2.95 in (75 mm) wide and 2.87 in (73 mm) height.
- 1% accuracy, No conversion factor or multiplier needed.
- LCD Display, 99999.9 kWh.
- DIN-rail mount, 1.33mm standard DIN rail installation, complying with standard DIN EN5002.
- Indoor use only, DAE watertight enclosure is available for outdoor use.
- CTs are built inside of the electric meter. It is not necessary to purchase external CTs.
- Non-volatile Memory, the stored data is maintained through power outages.
- Factory Calibration Certificates available.
- DAE Controls LLC is a Minority Business. Please feel free to get the NMSDC Minority Supplier Certificate from DAE Controls Website.
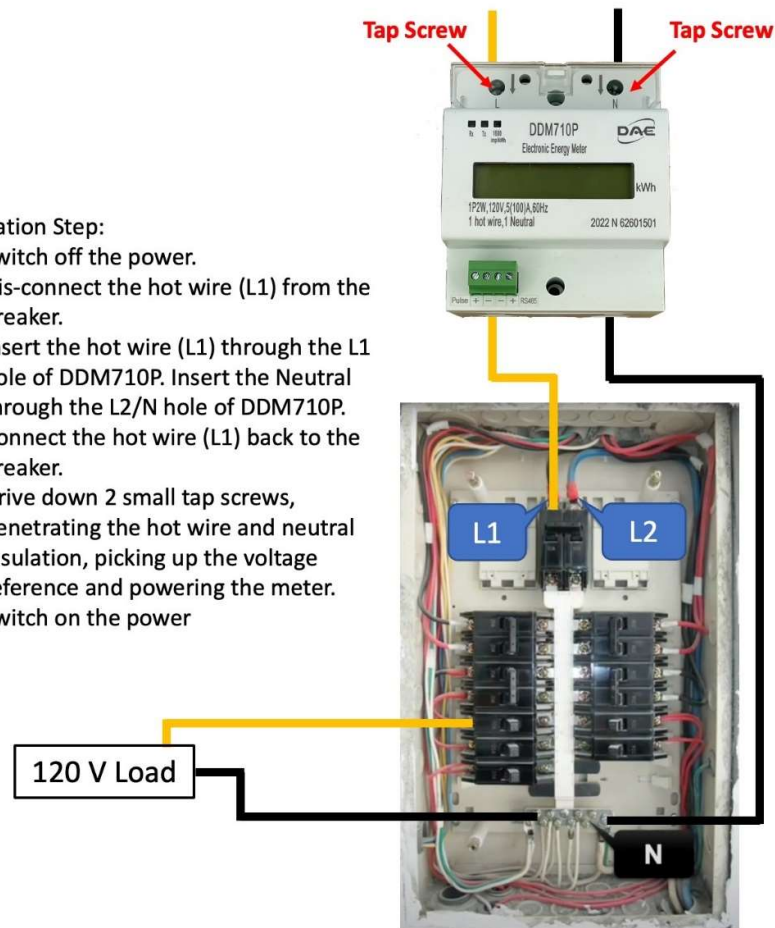
[Wiring Connection]

DDM710P(120V)-Wiring Connection

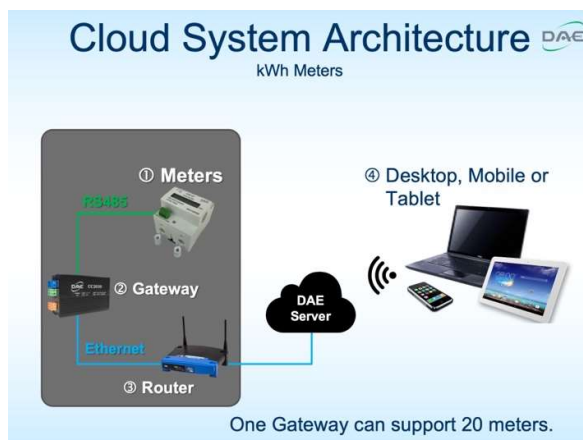**Tap Screw**   **Tap Screw**
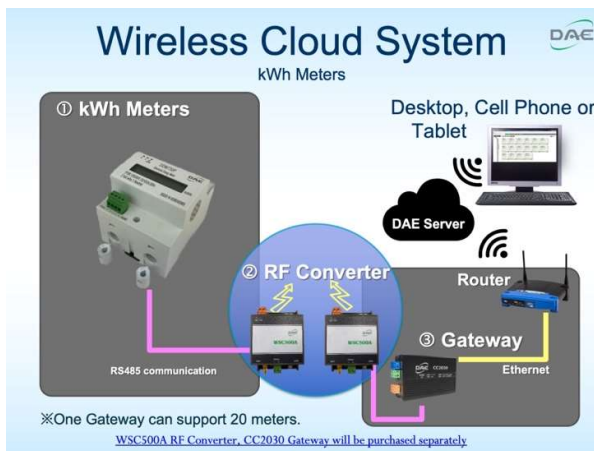
Installation Step:

1. Switch off the power.
2. Dis-connect the hot wire (L1) from the breaker.
3. Insert the hot wire (L1) through the L1 hole of DDM710P. Insert the Neutral through the L2/N hole of DDM710P.
4. Connect the hot wire (L1) back to the breaker.
5. Drive down 2 small tap screws, penetrating the hot wire and neutral insulation, picking up the voltage reference and powering the meter.
6. Switch on the power

L1   **L2**

120 V Load

N

[Remote Reading Solutions]

DAE Cloud Metering available with DAE CC2030 KIT Gateway. CC2030 will collect energy data from DAE electrical meters and send them to Cloud Server through Ethernet. With PC, cell phone or tablet, landlords or property managers can get access to real time data, monthly kWh and billing reports to their tenants. TOU (Time of Use) billing reports are also available. No IT guy required. Just connect wires as per picture or see video & ready to go.

For existing building, hard to draw cable between electric meter (close to electric panel) and CC2030 (close to your router), please choose 1 CC2030 KIT + 2 WSC500A RF Converters to connect electric meter and CC2030 wirelessly.

Indoor use only, DAE B1725 watertight enclosure is available for outdoor use.

[Product Pictures]

[Picture 1]   [Picture 2]

[Picture 3]

[Picture 4]