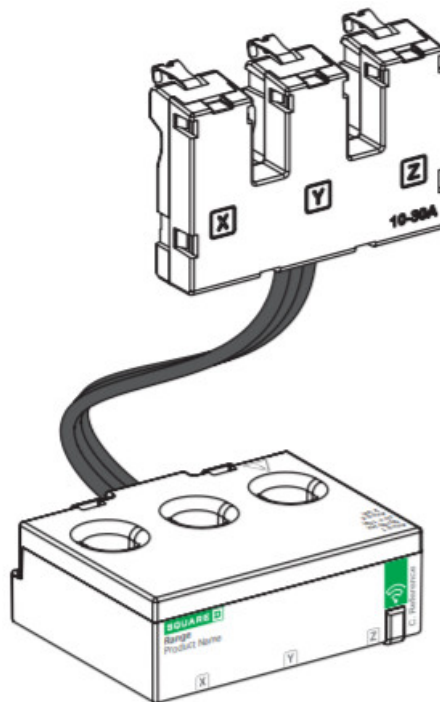


SQUARE D PLT3P Powertag Instruction Manual

[Home](#) » [SQUARE D](#) » SQUARE D PLT3P Powertag Instruction Manual 



PLT3P Powertag Instruction Manual



GDE25187-04



https://download.schneider-electric.com/files?p_Doc_Ref=GDE25187

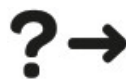


Refer to the concentrator's user manual to configure your system.



www.se.com/us

Wireless Energy Sensor QO



www.se.com/contact

This instruction sheet must be kept for future use.

PLEASE NOTE

- Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel.
- This device is not suitable for Class 2 applications.
- PowerLogic Tag devices must not be repaired.
- PowerLogic Tag devices should not be installed if, while unpacking, any damage is observed.
- The PowerLogic Tag devices must be installed inside electrical panels or switchboards, behind a door or plate, so that they are inaccessible to unauthorized persons.
- The electric panels must meet the requirements of the applicable standards (UL 67) and be installed in compliance with current installation and safety rules.
- All relevant local, regional, and national regulations must be respected while installing and using PowerLogic Tag devices.
- No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E, CSA 2462, or NOM 029-STPS.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside the equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.
- Do not use a PowerLogic Tag device for voltage testing purposes. A Voltage Tester must be used instead.

Failure to follow these instructions will result in death or serious injury.



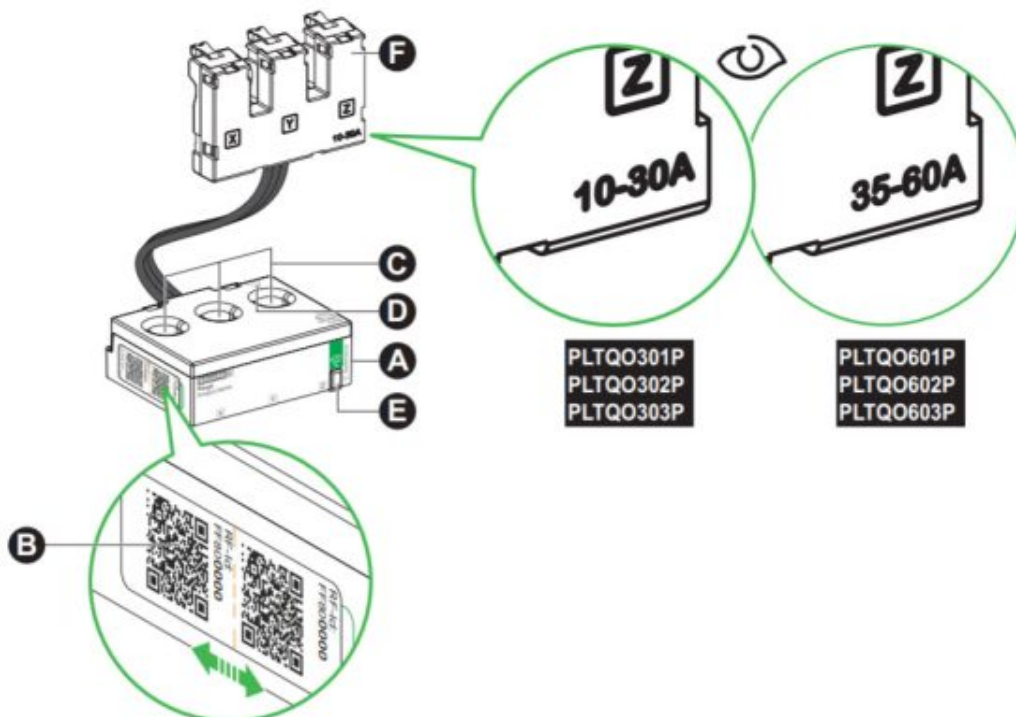
WARNING: This product can expose you to chemicals including Beryllium, which is known to the State of California to cause cancer, birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

Contents






- 1 Description
- 2 LED Status
- 3 Installation and Connection
- 4 Installation and Connection
- 5 Technical Data
- 6 Radio Frequency Compliance Statements
- 7 Documents / Resources
- 8 Related Posts

Description



A	Current measurement module.
B	Product label. The detachable adhesive part carries a unique product identifier, useable during commissioning on certain concentrators.
C	Conductor feedthroughs for current measurement.
D	PowerLogic Tag communication status indicator light
E	Power-supply and voltage-measurement plate.
F	Connection cable between the power-supply terminal and the current-measurement module.





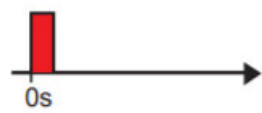


Definition of graphical symbols

	Comply with all safety instructions associated with this symbol to avoid any potential risk of injury or death.
	Alternating current
	Radio communication
	CE marking on the product(s) or its (their) packaging indicates that Schneider Electric makes available to the EU authorities the reference technical file(s).
	This product is an electrical and electronic device. It falls within the scope of the WEEE 2012/19/EU directive. On the EU market, it must be disposed of using a specific waste collection system and never be disposed of in a household waste bin.

LED Status

Before proceeding with pairing, ensure that the concentrator has the latest available software version. Refer to the user manual of the concerned concentrator.

PowerLogic Tag communication status indicator light.

	PowerLogic Tag switched off.
	PowerLogic Tag is searching for a concentrator.
	PowerLogic Tag in identification mode.
	PowerLogic Tag is in-network. Normal communication with the concentrator.
	Occasional loss of communication.
	Loss of communication with the concentrator.
	Internal error detected.

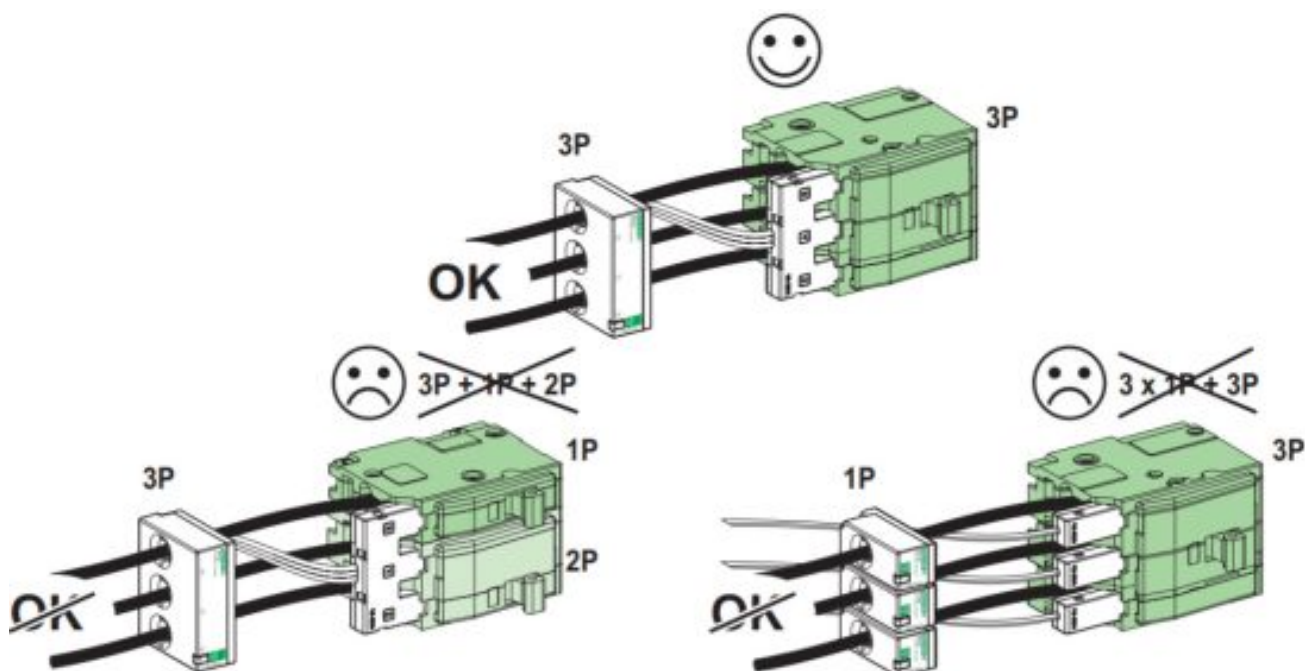
Installation and Connection

- Minimum 75 % wiring space required.
- Do not restrict ventilation openings.
- Do not install near circuit breaker arc vent.
- Secure current transformer and route conductors away from living terminals or bus structures.



HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Always associate a PowerLogic Tag with a circuit breaker that has the same number of phases. Failure to follow these instructions will result in death or serious injury.

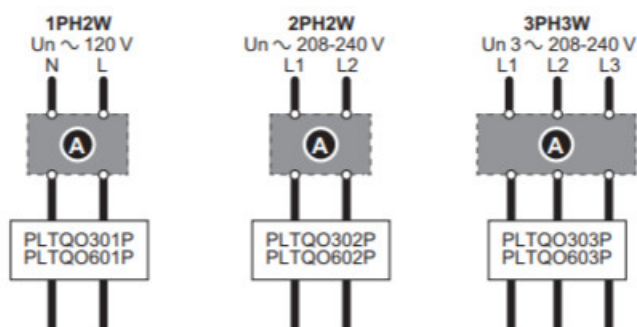


WARNING

FIRE HAZARD

- The PowerLogic Tag must be associated with an easily accessible upstream protection and circuit-breaker system, marked with callout A in the schematic below.
- The cable ends of the voltage measurement cables must be adapted to the terminals of the equipped product. The replacement of these cable ends is the responsibility of the professional installer.

Failure to follow these instructions can result in death, serious injury, or equipment damage.



NOTICE

RISK OF DAMAGING THE POWER LOGIC TAG

- Disconnect the PowerLogic Tag before performing the dielectric withstand test.
- Limit the insulation measurements up to 500 V $\overline{\text{---}}$.

The input impedance of the PowerLogic Tag between phases or between phases and the neutral is equal to 1.8 M Ω .

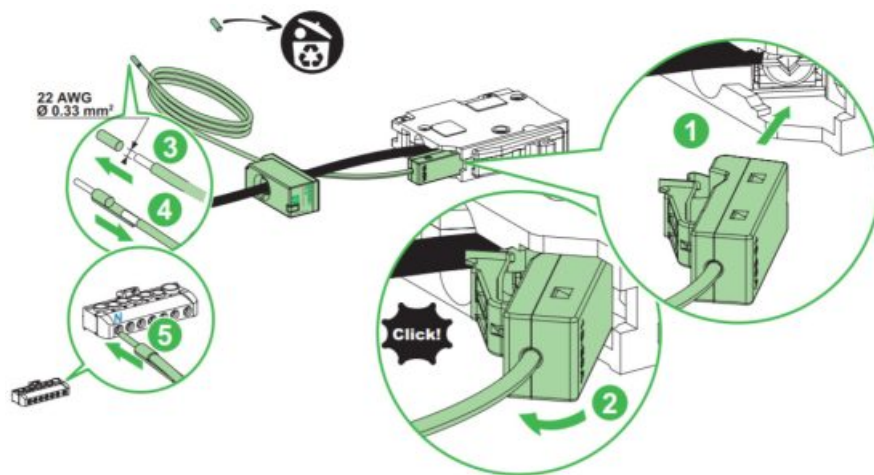
Failure to follow these instructions can result in equipment damage.

Installation and Connection

1P

PLTQO301P (10...30 A)

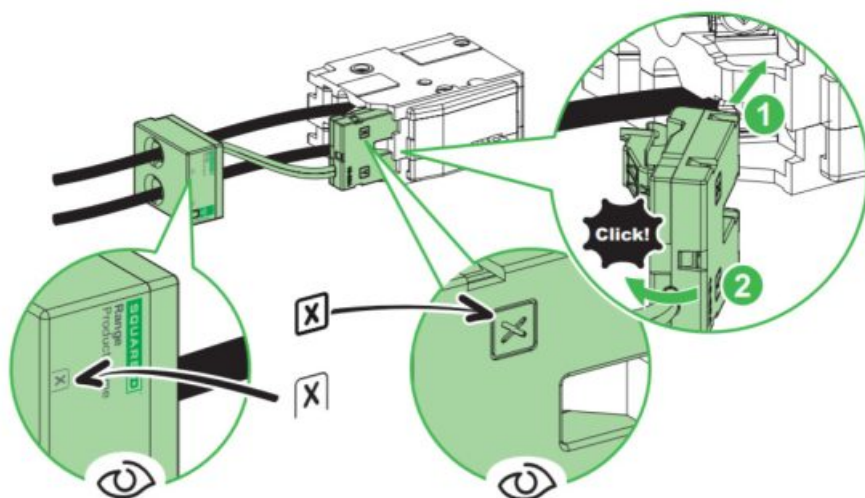
PLTQO601P (35...60 A)



2P

PLTQO302P (10...30 A)

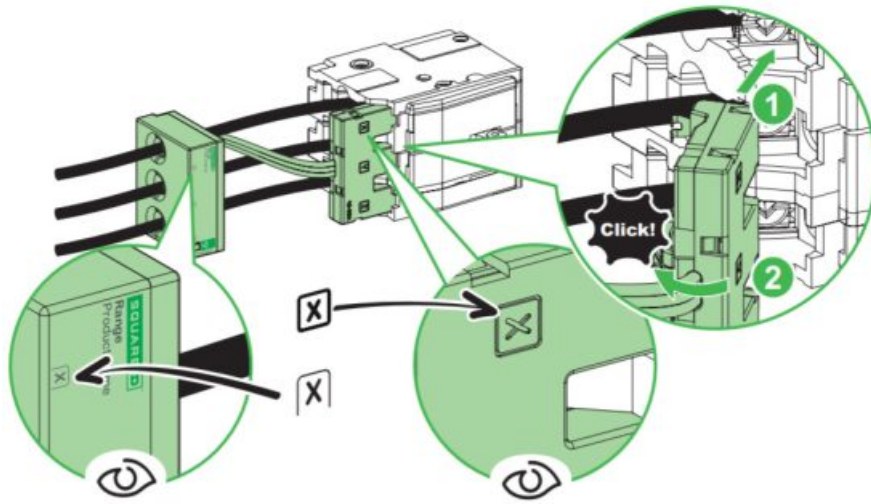
PLTQO602P (35...60 A)



3P

PLTQO303P (10...30 A)

PLTQO603P (35...60 A)



Technical Data

- Nominal voltage Un: $\sim 120\text{ V}$,
 $\sim 208\text{-}240\text{ V}$
 $3\sim 208\text{-}240\text{ V}$
- Operating range (power supply and voltage measurement inputs): $Un \pm 20\%$
- Frequency: 50/60 Hz
- Maximum power consumption: $y\ 2\text{ VA}$
- Maximum current: 60 A
- Operating temperature: -25°C (-13°F) to $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$)
- Overvoltage and measurement category: III
- Temporary overvoltage between phase and ground conform to EN/IEC 61010-1
- Supports temporary surges relative to the ground
- Pollution degree: 3
- Altitude: $y\ 2000\text{ m}$ ($y\ 6500\text{ ft}$)
- Relative humidity: Maximum 93 % without condensation
- For indoor use only
- Accuracy:
 - *Voltage: Class 0.5
 - *Current, Power and Active Energy: Class 1

Radio Frequency Compliance Statements

USA

Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator & your body.

For UL certification, the device can only be used within Schneider Electric or Square D circuit breaker panels.

Canada**Industry Canada Statement**

This device complies with RSS-247 of the Industry Canada Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator & your body.

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Andover, MA 01810
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www.se.com/us

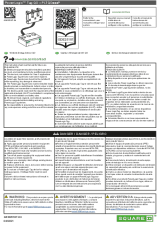
GDE25187-04

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Documents / Resources



[SQUARE D PLT3P Powertag](#) [pdf] Instruction Manual

PLT2P, 2AH7LPLT2P, PLT3P, 2AH7LPLT3P, PLT1P, 2AH7LPLT1P, PLT3P Powertag, PLT3P, Powertag