



Plug Load Controller Installation Instructions

TPC-001

Included:

Installation Instructions
Plug Load Controller
Plastic Locknut

Important Information

Read before beginning installation:

WARNING - Risk of fire or electric shock. Installation requires knowledge of electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

This device is intended for indoor use or weather protected locations only (Dry and Damp Locations). Do not use where directly exposed to water or water spray.

Product must be installed by a qualified electrician in accordance with the applicable and appropriate electrical codes. The installation guide does not supersede local or national regulations for electrical installation.

CAUTION - Dataport (RJ-45) connector is intended for use only with specified Toggled iQ accessories. Do not connect computer or other networking devices to this port. Doing so may cause irreversible damage to the Plug Load Controller or connected devices.

Overview:

The Toggled iQ Plug Load Controller is intended for use primarily with non-lighting loads (120-347VAC).

This device may be installed externally on any junction box with an available 1/2" knockout. This includes locations where it may be located in the plenum as it is UL 2043 Plenum Rated.

The Plug Load Controller is capable of power monitoring and metering. Integrated power monitoring allows for the accurate measurement of the incoming line voltage as well as the independent measurement and metering of both switched and unswitched load power consumption.

The Plug Load Controller also provides a Class 2 Dataport for future expansion.

Load Configuration

The Plug Load Controller has two separate outputs suitable for AC loads. Both loads are powered by the AC input to the Plug Load Controller and both support independent power monitoring.

1. Switched Load (Red, 12AWG)

Dedicated for loads which are intended to be controlled using the Toggled iQ App or by other Toggled iQ control devices.

Examples: Outlets, exhaust fans

2. Unswitched Load (Blue, 12AWG)

Dedicated for loads intended to remain continuously powered while the Toggled iQ Plug Load Controller is powered. Provides the ability to monitor power without requiring additional programming to prevent accidental loss of power from control schemes.

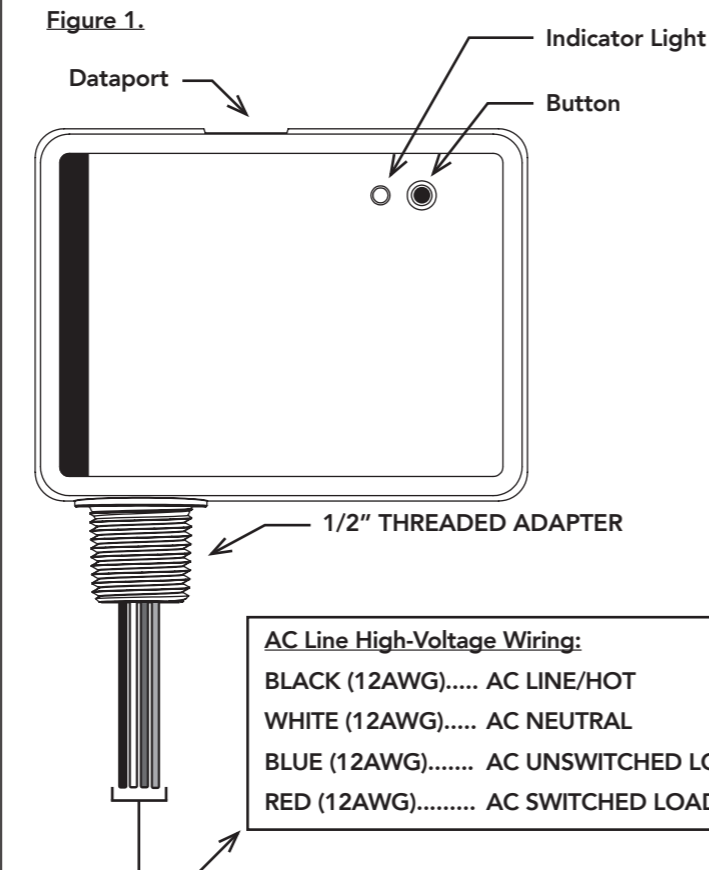
Example loads: Small appliances, power metering only applications

Dataport:

An external Class 2 dataport is provided for to provide future expansion of the Plug Load Controller. This dataport is isolated from the 0-10V control circuits and the AC line.

Do not connect dataport to computer systems or other standard networking equipment as damage to these systems or the Plug Load Controller may occur.

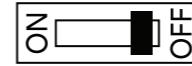
For more information about the dataport capabilities, please contact Toggled.



Maximum Combined Rated Load		Ta = 45C	Ta = 65C
120-347VAC	General Purpose	20A	10A
120VAC	1.5HP Motor	20A	10A
220VAC	3HP Motor	17A	10A

Installation

1. Turn off power at the circuit breaker.



2. Locate available 1/2" knock-out in the target junction box or load device.

Before opening knock-out, confirm there is enough clearance for the Plug Load Controller and it will not interfere with the load device, wall or other obstructions.

Ideally, the buttons and indicator light will be visible and accessible after installation. Access to these features allows for visible status indication and may assist in troubleshooting.

3. Install Plug Load Controller into available knock-out.

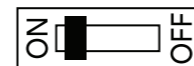
Secure using included retaining nut.

4. Attach 12AWG wires to AC supply and load(s).

Consult *Figure 1* for wire colors and assignments.

CAUTION: If unswitched or switched wires are unused for the application, they must be capped using a wire nut. Failure to insulate unused line-voltage outputs will create a risk of fire or electric shock.

5. Turn power back on at the circuit breaker.



6. Configure Plug Load Controller.

A. Download the Toggled iQ App.

Search for "Toggled iQ"



B. Make sure Plug Load Controller has power.

C. Follow on-screen instructions in the app to configure your device.

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Troubleshooting

Symptom	Potential Causes	Remedy
Load(s) attached to Plug Load Controller will not turn on.	Loose connection or incorrect wiring.	Check wiring configuration and verify there are no loose wire nuts or connections. Test on/off behavior using button on Plug Load Controller.
Load(s) attached to Plug Load Controller will not turn off.	Load(s) connected to UNSWITCHED output.	Connect switchable light(s) to SWITCHED output wire (Red, 12AWG) of Plug Load Controller. Test on/off behavior using button on Plug Load Controller.
Other	Unknown.	Contact Toggled support: - 1.844.864.4533 - support@toggled.com

For additional help or support, please contact Toggled support:
Phone 1.844.864.4533. Email support@toggled.com

Factory Reset Instructions (2 methods):

Option 1: Press and hold button on device for 15 seconds until blue light flashes rapidly.

Option 2: Cycle power to Plug Load Controller off then back again. Complete the factory reset within 30 minutes using the factory reset menu in the Toggled iQ App.

Button Functions:

Press and release button to toggle switched output (relay) on/off. Indicator LED will blink quickly during switching.

Hold button for 15 seconds to factory reset device. Release when indicator LED flashes rapidly.

Indicator LED:

Red solid: Device is powered and unassociated (requires commissioning).

Red slow flashing: Device is being attentioned (selected by phone app) for commissioning.

Blue solid: Device is powered and associated/commissioned.

Blue fast flashing: Device has been reset to factory settings.

FCC Notice

This device complies with Part 15 of the FCC Rules and with Industry Canada RSS Standards. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
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 an 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 or more 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.

Changes or modifications not expressly approved by Toggled could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.