

INSTRUCTION/INSTALLATION SHEET Dual PLC Transmitter Kit

IS-0325 REV. 0

1. INTRODUCTION

The On-Q Dual Power Line Carrier Transmitter Kit, P/N 364863-01, may be used with On-Q's Home Lighting Controller or Home Management System Controllers. The kit (see **Figure 1**) enables the controller to transmit power line carrier (PLC) signals to both 120 VAC poles of a home's electrical service to provide uniform PLC control signal transmission throughout the home.

The kit includes the following:

- 2 - PLC Plug-In Cubes
- 2 - 6P4C Modular Cables (reversed end-to-end)
- 1 - Modular Cable Adapter

2. INSTALLATION

DANGER: To avoid risk of fire or shock, turn off the power at the circuit breaker or fuse. Test to be sure the power is off before wiring.

Installation Procedure

Figure 2 depicts a method that may be used to connect a single duplex receptacle to both poles of the home's electrical service using a split duplex receptacle and 2-pole circuit breaker.

NOTE: The split-duplex receptacle is intended for installation in accordance with the National Electrical Code and local regulations. It is recommended that a qualified electrician perform this installation.



Figure 1

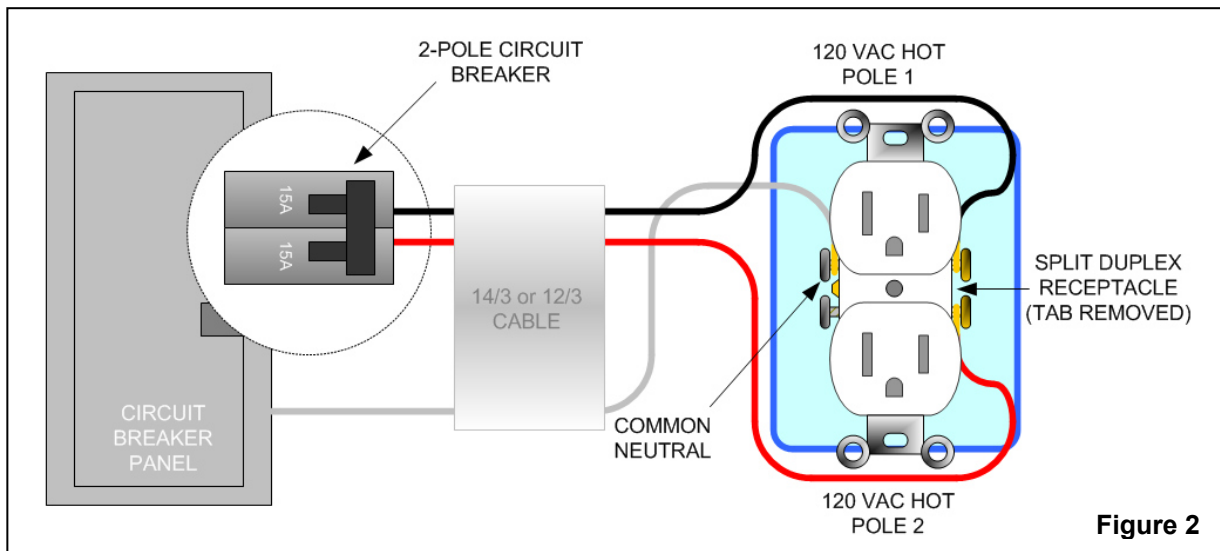
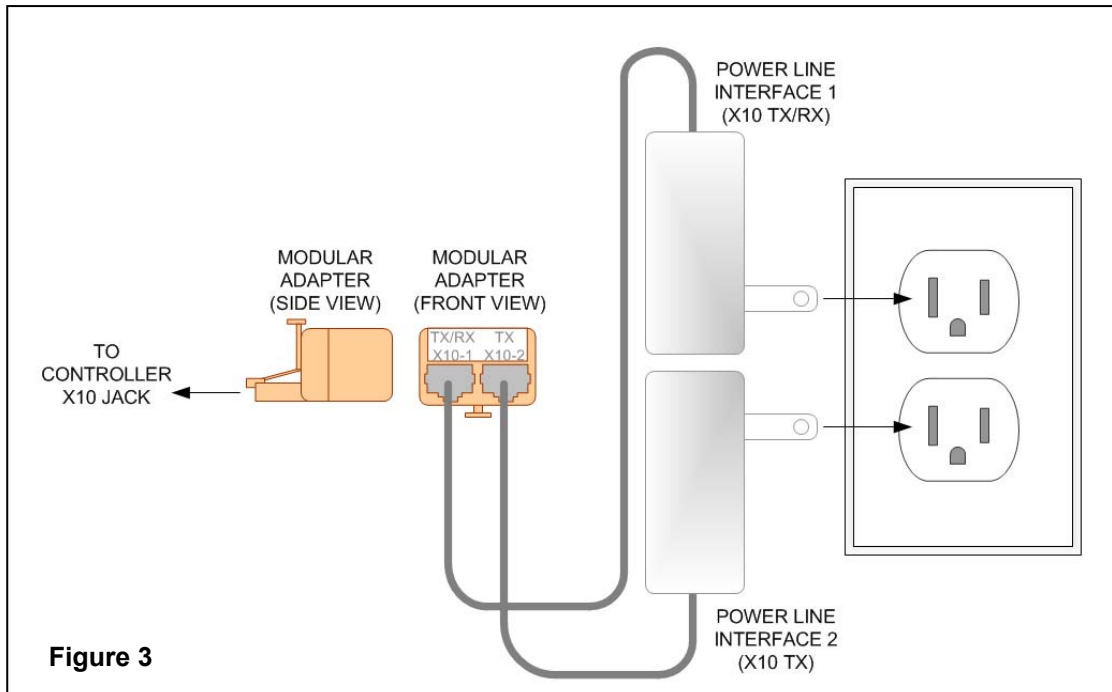


Figure 2

Figure 3 depicts the installation of the kit components to a split duplex receptacle.



The kit provides uniform PLC signal transmission to both poles of the home's electrical service. The PLC Plug-In Cube that is connected to the Modular Cable Adapter's "X10-1" jack provides both a PLC signal "transmit" and "receive" path between the controller and the home's electrical service. The PLC Plug-In Cube that is plugged into the Modular Cable Adapter's "X10-2" jack provides a PLC signal "transmit" path from the controller to the home's electrical service only.

- Step 1: Plug the supplied Modular Adapter into the controller's X-10 jack.
- Step 2: Plug a modular cable into each port of the Adapter
- Step 3: Plug the other end of the modular cables into the Power Line Interfaces.
- Step 4: Each Power Line Interface should then be plugged into a 120VAC outlet.

During normal operation, each PLC Plug-In Cube's red LED indicator will blink when PLC signals are transmitted and received.

3. Warranty

On-Q/Legrand warrants to the end-user, each new switch to be free of defects in materials or workmanship for a period of one year from the date of original purchase from On-Q/Legrand or its authorized reseller or installer. Each product is deemed warrantable under conditions of normal use and when installed and operated within On-Q/Legrand specifications and in accordance with the applicable National Electrical Code and Safety Standards of Underwriters Laboratories. When determined to be warrantable, On-Q/Legrand shall at its option and expense, replace any defective product with a new or reconditioned product. On-Q/Legrand will continue to warrant any replaced product for a period of ninety (90) days from shipment, or through the end of the original warranty period, whichever is longer.