

# Quick Start Guide

## Fixture Module Products

FMT, FMR



### MODELS:

FMT-AC – Fixture Module Transmitter, 120V input

FMT-CC – Fixture Module Transmitter, Contact Closure

FMR-AC – Fixture Module Relay (Receiver), 20A Load

### FUNCTION

SimpleWorx products are designed to provide simple remote control for lighting and other electrical loads without having to run any new wiring. They connect or “link” to one another by communicating over the existing electrical power wires.

One Transmitter can be linked to as many Receivers as you like. Each Receiver can be linked to eight Transmitters.

The FM Series Fixture Modules (Figure 1) allow for an existing switch or contact closure to trigger a FMT controller to remotely control the load of any SimpleWorx receiving device (like a FMR, Fixture Module Receiver). Once the FMT is “linked” to a load controlling SimpleWorx receiver (refer to “Linking a Transmitter to a Receiver”) it is capable of controlling the receiver’s load just as if it were its own load.

The FMR load controller is capable of turning 120VAC appliances and fluorescent lamps ON and OFF based on digital commands received from a SimpleWorx Transmitter.

### IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed, including the following:

1. Do not use this product for other than its intended purpose.
2. Keep away from water. If the product comes in contact with water or other liquid, turn off the circuit breaker and remove the product immediately.
3. Never use products that have been dropped or damaged.
4. Do not use this product outdoors.
5. Do not cover this product with any material when in use.

### INSTALLATION

#### Wiring Connections

BLACK –	LINE
WHITE –	NETURAL
PURPLE –	120VAC INPUT TRIGGER
RED –	LOAD 20A MAX
YELLOW/RED –	CONTACT INPUT TRIGGER

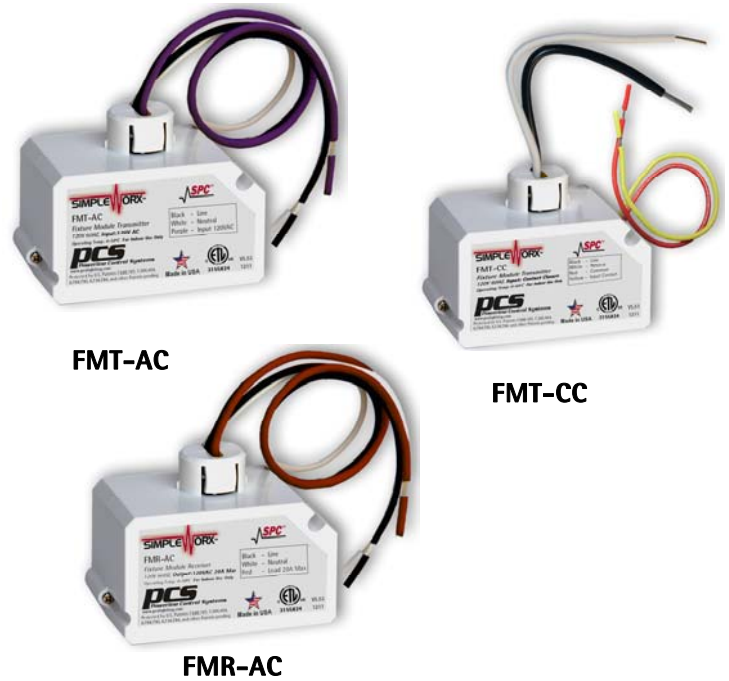


Figure 1

#### Follow these instructions to install a Fixture Module:

1. Before installing the Fixture Module into a junction box or attaching to an existing fixture, ensure that power to the wall box has been disconnected by removing the fuse or turning the circuit breaker off. Installing products while the power is on may expose you to dangerous voltage and may damage the product.
2. Remove any existing ceiling or wall fixture hardware for the device
3. Disconnect the wires from the existing fixture. Identify the “Line”, “Neutral”, “Load” wires.
4. Wire the SimpleWorx Fixture Module connecting wires per wiring diagram shown on next page.
5. Refer to instructions on OPERATION prior to placing the fixture module in its final location, as it may be necessary to have access to the Program button in order to Link it to a Transmitter and test its operation. Temporarily restore power in order to perform these functions. Disconnect power again when finished.
6. Once proper operation is established, fit the module into the outlet box, fitting the nipple into a 1/2” knockout or otherwise secure it using wire ties.
7. Reinstall fixture hardware as needed and restore power to the circuit.



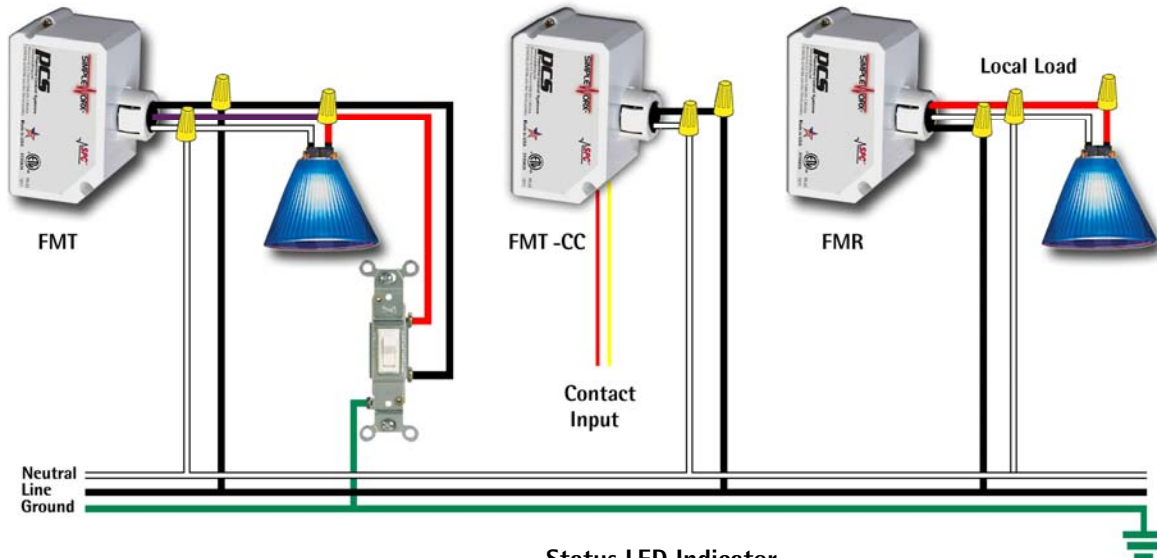
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### WIRING DIAGRAM



### OPERATION

#### Linking a Transmitter to a Receiver

Any SimpleWorx transmitter can remotely control one (or more) SimpleWorx Receiver(s) by following the steps below to "LINK" the two together:

1	At the SimpleWorx Transmitter; Press and hold its Link button for 6 seconds. The LED will then flash GREEN and flash its load (if a load is connected)
2	At the SimpleWorx Receiver; Press and hold the rocker switch or link button for 6 seconds. The LED will flash GREEN and flash its load (if a load is connected)
3	The Receiver will indicate (within 30 seconds) the two devices have automatically "LINKED" to one another when the LED stops flashing and then flashes its load once.
4	The Transmitter may be taken out of "LINK" mode by tapping its rocker switch or link button once. The LED will stop flashing and flashes its load (if a load is connected). Note: The TX will automatically timeout after 5 minutes

#### Status LED Indicator

The FMT and FMR are each equipped with a bi-color status LED that is normally lit to red. This LED indicator will blink different colors to indicate configuration status as outlined below:

LED Color	Status
Solid RED	Power applied to Fixture Module
Flashes RED	Device is in LINK MODE
Solid GREEN	Transmitting a SPC™ message

#### CERTIFICATION

This product has been thoroughly tested by Intertek Testing Services, a nationally recognized independent third-party laboratory. The North American ETL Listed mark signifies that the product has been tested to and has met the requirements of a widely recognized consensus of US and Canadian product safety standards, that the manufacturing site has been audited, and that the manufacturer has agreed to a program of quarterly factory follow-up inspections to verify continued conformance.



#### LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in materials and workmanship for a period of five years from the date of purchase. Refer to the warranty information on the PCS website ([www.pcslighting.com](http://www.pcslighting.com)) for exact details.

