

NEMA TWIST-LOCK PHOTOCONTROL RECEPTACLE
Conforms ANSI C136.41

RCT-240FXA-1412R7P-N1



The entire RCT-240 series twist-lock receptacles were designed for the lanterns those intended to have an ANSIC136.10-2006 receptacle to fit a twist-lock photocontrol. This series conform newly published ANSIC136.41-2013 to allow a LED lamp multi-controlled through the receptacle, and obtained cRUus certificates under UL file E188110.

This item RCT-240FXA1412R7P-N1 offers 4 gold-plated low voltage pads on the top surface to fit photocontrol has ANSI C136.41 conforming spring contacts, and offers 4 corresponding wires at rear back for signal connection.

This item offers 360 degree rotation limiting feature to conform ANSI C136.10-2010 requirements. The mechanical installation can be simply completed with 2 screws.

Reference Documents

- ANSI C136.10-2010 American National Standard for Roadway and Area Lighting Equipment – Locking-Type Photocontrol Devices and Mating Receptacles – Physical and Electrical Interchangeability and Testing
- ANSI C136.41-2013 American National Standard For Roadway and Area Lighting Equipment – Dimming Control Between an External Locking Type Photocontrol and Ballast or Driver

Technical Data

Model No.		RCT-240-FXA1412R7P
Power Volt Range		0~480VAC
Rated Frequency		50/60Hz
Power Loading		15A max. / AWG#16: 10A max.
Signal Loading		30VDC, 0.25A max.
Ambient Temperature		-40°C ~ +70°C
Material	Receptacle	UV stabilized Polycarbonate (UL94 5VA)
	Power Contact	Solid Brass
	Signal Contact	Nickel plated Phosphor Bronze, Gold plated
	Gasket	Thermal Elastomer (UL94 V-0)
	Power Lead	14AWG, AWM1015
	Signal Lead	18AWG, AWM1015
Leads		06" or other
Overall Dimensions (mm)		64Dia.x 38

Installation



Disconnect power; wire the receptacle according to the diagram below. An arrow indicating NORTH on the top of the receptacle is used to assist correct direction. Push the photocontrol on and turn it clockwise to lock into the receptacle. Adjust the receptacle position if necessary.

