

ON-PPU-303

OS-NET Demand Response Controller



Flexibility • Functionality • Simplicity



OVERVIEW

The ON-PPU-303 is an OS-NET enabled load controller designed to provide demand response control (DRC) to comply with building energy code requirement. Upon receiving the DRC signal, the ON-PPU-303 will turn off the load and transmit a force-off command wirelessly to the OS-NET controlled lighting assigned with the same DRC group. After the DRC signal is off, all demand response controlled lighting will resume the original control scheme.

This wireless control device can be attached to a junction box, cable tray, or fixture through a 1/2" knockout with the designed threaded nipple and locknut. Through intuitive operation on a 2-way IR remote programmer, SRP-281, the ON-PPU-303 can be set to control up to 4 groups.

With ON-PPU-303, demand response control can be easily achieved via OS-NET wireless smart lighting solution. Whether it is a new construction or retrofit project, OS-NET wireless smart lighting control solution will save you time and cost in installation, commissioning, and user adoption.

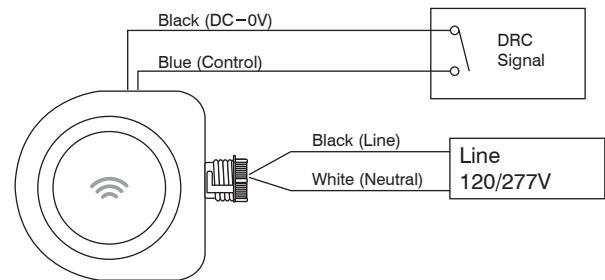
FEATURES

- OS-NET enabled demand response controller
- 120/277VAC universal line voltage operation
- Accepts dry contact or active low open collector
- 2-way IR remote programmable control settings
- One device can be assigned up to four groups
- Dual color LED indicates network linkage status

OPERATION

The ON-PPU-303 is an OS-NET enabled 20A load controller designed for demand response control. Upon receiving DRC contact closure, the ON-PPU-303 will shut off the controlled load and then transmit a wireless command to the grouped OS-NET sensors to shut off the controlled lighting. All controlled load and lighting will remain off during the demand response period, and resume original control after the DRC signal is off and DELAY time of OS-NET sensors elapsed.

WIRING DIAGRAMS



SPECIFICATIONS

Power supply	120/277VAC, 50/60Hz
DRC signal	Dry contact (NO)
Wireless protocol	Modified Zigbee Light Link (ZLL)
Radio frequency	2.4 GHz
Radio range	Typ. 12 m (40 ft) @ indoor
Radio power output	4.60dBm
Remote range	Typ. 5 m (16 ft), indoor with no backlight
Type of control	*Electronic Operated, Independently Mounted
Action Type	*Automatic, Type 1
Ext. Pollution Situation	Degree 2
Impulse Voltage	4000 V Max.
Op. humidity	Max. 95% RH
Op. temperature	-20°C~55°C (-4°F~122°F)
Dimensions	4.37" x 3.54" x 1.80" (111 x 90 x 46mm)

*Based on UL 60730-1 STD provisions.



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