NLCCR02WENCL

Protected Long-Range RTC (Real Time Clock) USB Dongle Enclosure

Project

Catalog

Type

Date

Product Description

The NICOR NLCCR02WENCL is an IP65-rated enclosure housing a Real-Time Clock and signal booster for outdoor NLC controls. The Real-Time Clock will provides an astronomical clock for sunset and sunrise scheduling. The signal booster extends the communication range up to 1,640 feet (500 meters), substantially improving network coverage. Designed for full compatibility with the NICOR NLC ecosystem, this versatile solution adapts to diverse wet location applications, offering flexible deployment options and enhanced network performance in challenging environments. The NLCCR02WENCL is commissioned with the NICOR NLC app (iOS and Android).

Construction
- IP65
- Housing Material Flame Rating: UL 94 V-0
- Color: Gray Housing

Network Technology
- Bluetooth Low Energy (BLE) 5.0, 2.4 GHz ±75 MHz with mesh networking
- Bluetooth range: up to 1640ft (line of sight)
- Commissioned via NICOR NLC app (IOS and Android compatible)

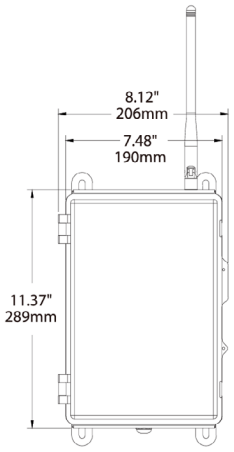
Mounting
- Outdoor installation capability
- PG9 waterproof electrical fitting for power entry
- Integral antenna and enclosure assembly

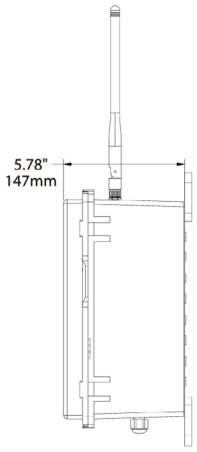
Electrical
- Input voltage: 120-347 VAC, 50/60 Hz
- Input current: 0.04 A Max
- Input power: 5 W Max
- Surge Protection: 20 kA
- Operating temperature: -30°C to 55°C (-22°F to 131°F)
- Storage temperature: -30°C to 85°C (-22°F to 185°F)

Listings
- cULus Listed
- UL Listed
- DLC
- RoHS
- UL Cybersecurity

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)





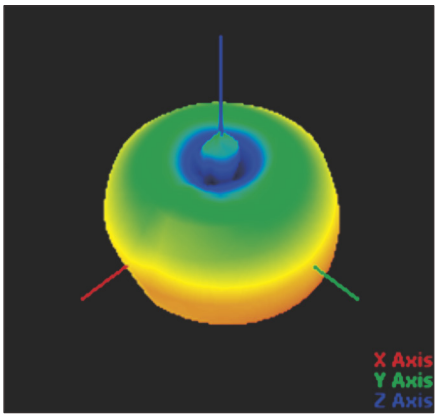


Ordering Information

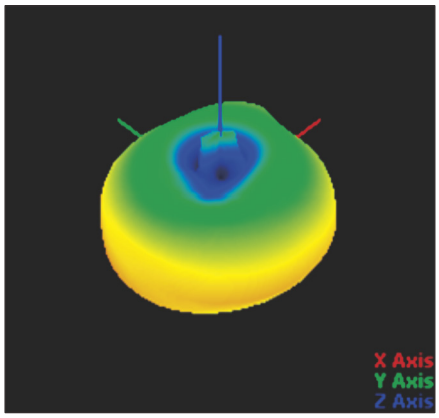
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NLCCR02WENCL	**Protected Long-Range RTC (Real TIme Clock) USB Dongle Enclosure**

Specifications and dimensions subject to change without notice.

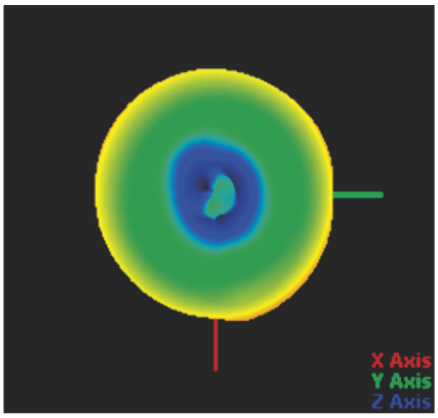
TX5 Transmission



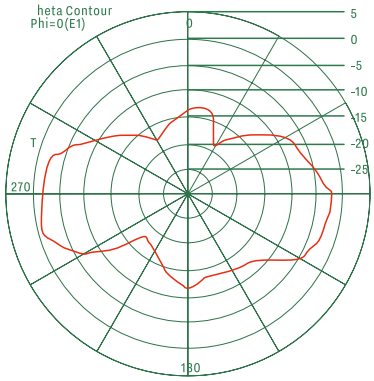
T45-P45



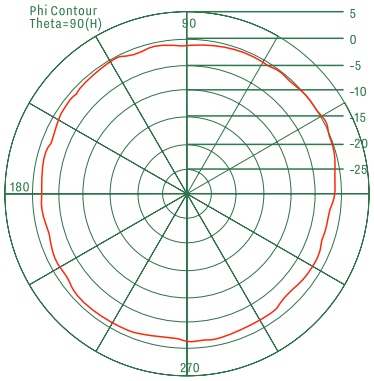
T45-P225



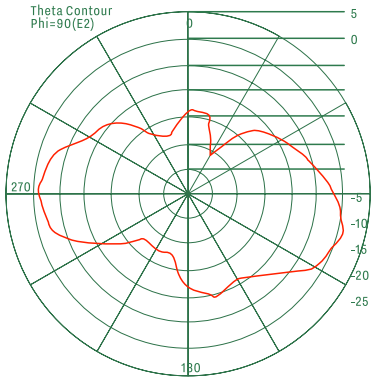
T0-P0



XOZ



XOY



YOZ

Wireless Signal Strength	
Transmission Distance	RSSI(dbm)
328ft (100m)	-37
656ft (200m)	-47
984ft (300m)	-48
1312ft (400m)	-59
1640ft (500m)	-60

Note: The test transmission distance of two AE-W



5.4
3.89
2.38
0.87
-0.65
-2.16
-3.67
-5.18
-6.69
-8.21
-9.72
-11.23
-12.74
-14.26
-15.77
-17.28
-18.79
-20.31

Coordination System Description:

Line Colr	XYZ	Theta-Phi
Red L.	Axis X	Theta90-Phio
Green L.	Axis Y	Theta90-Phi90
Blue L.	Axis Z	Theta0

Download the NICOR NLC App

GET IT ON Google Play

Download on the App Store

Scan QR code or click on buttons to download the NICOR NLC App. NICOR NLC App will need access to network and Bluetooth. Accept prompt to allow access to photos for QR codes to be automatically saved in your album.

For more information check our **NICOR NLC Commissioning Guide.**
(https://nicorlighting.com/NLC/NLC%20Commissioning%20Guide.pdf)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: 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 a particular 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.