



CR05 Series

Bluetooth Interface

DESCRIPTION

The CR05 is a dedicated Bluetooth interface that integrates Keilton+autani Bluetooth lighting systems into the Autani Building Controls platform. In conjunction with the RTR, a single CR05 interface allows the integration of up to 100 nodes of a Keilton+autani Bluetooth lighting system.

FEATURES

- Support for a single Keilton+autani zone of up to 100 nodes.
- TX1 2.4GHz-1dbi Antenna Included.

REQUIREMENTS

- CR05 should be centrally located to Keilton+autani Zone, devices should not exceed 100ft radius.
- The Keilton+autani zone should not exceed 4 hops across the wireless mesh.
- Requires an Autani Manager and RTR devices for functionality.
- CAT-RXX cable required (not included).

SPECIFICATIONS

| | |
|------------------------------|------------------------------------|
| Input Voltage | DC12-24V |
| Input Current | 10mA. |
| Bluetooth Transmit | TX1: 984 ft max, TX5: 1,968 ft max |
| Radio Frequency | 2.4GHz ± 75MHz |
| Bluetooth Version | 5.0 |
| Housing Material | UL94-V0 |
| Operating Temperature | -30 °C to 55 °C, -22 °F to 131 °F |
| Storage Temperature | -30 °C to 85 °C, -22 °F to 185 °F |
| Color | White |
| Warranty | 5 year warranty |
| IP Rating | IP20 |
| Indoor Use Only | Yes |



CR05

(TX1 antenna is included)



ORDERING INFORMATION

| Model | Description |
|----------------|---|
| CR05.A0 | Bluetooth Interface for integrating Keilton+autani systems with Autani Building Controls platform |

ORDERING INFORMATION - ACCESSORIES

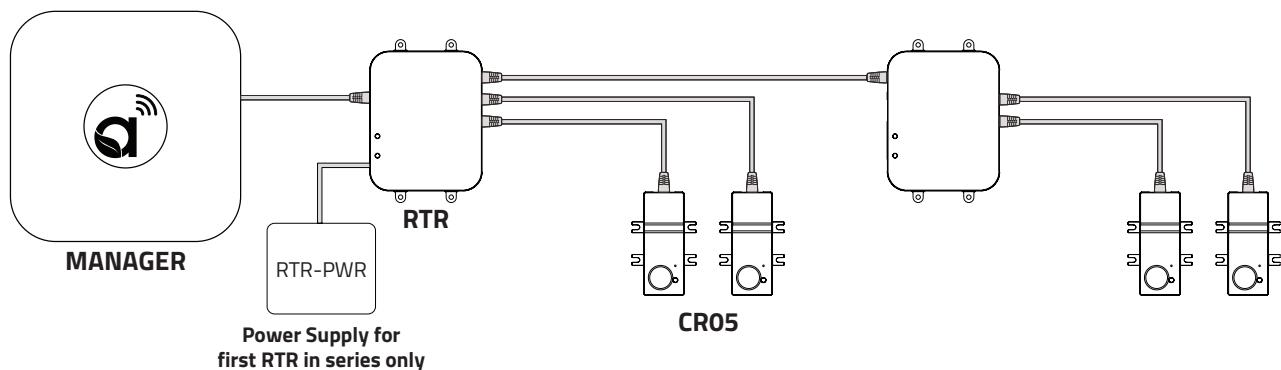
| Model | Description |
|----------------|-------------------------------|
| TX5 | TX5 2.4GHz-5dbi Antenna |
| CAT-R10 | 10' CAT5e, Plenum Rated Cable |
| CAT-R25 | 25' CAT5e, Plenum Rated Cable |
| CAT-R50 | 50' CAT5e, Plenum Rated Cable |
| RJ45-C | RJ45 Female-Female Coupler |



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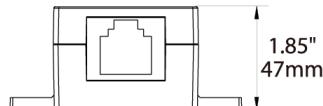
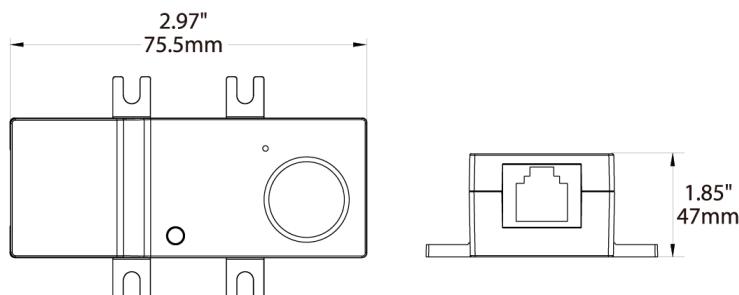
Bluetooth Interface

WIRING



DIMENSIONS

Unit:inch/mm



TX1



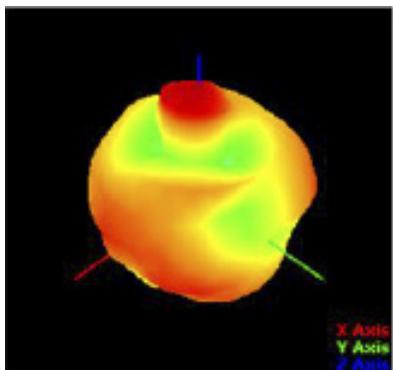
TX5



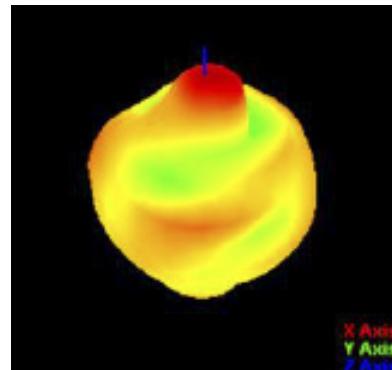


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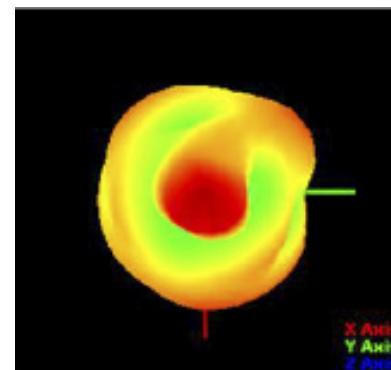
TX1 TRANSMISSION



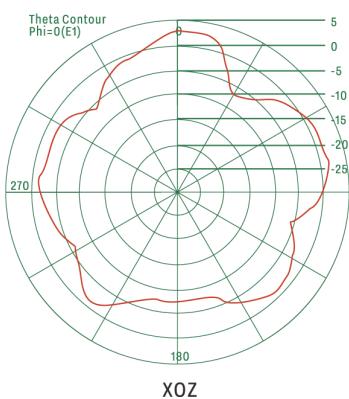
T45-P45



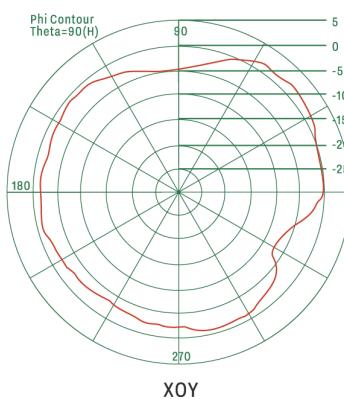
T45-P225



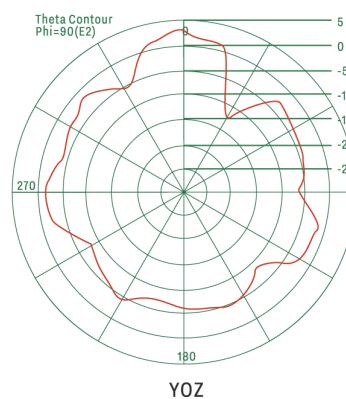
TO-PO



XOZ



XY



YOZ

| Wireless Signal Strength | |
|--------------------------|------------|
| Transmission Distance | RSSI (dbm) |
| 328ft (100m) | -53 |
| 656ft (200m) | -54 |
| 984ft (300m) | -64 |

Note: The test transmission distance of two PPA102S-W C1



3.48
2.5
1.52
0.54
-0.44
-1.41
-2.39
-3.37
-4.35
-5.33
-6.31
-7.29
-8.27
-9.25
-10.23
-11.21
-12.19
-13.17

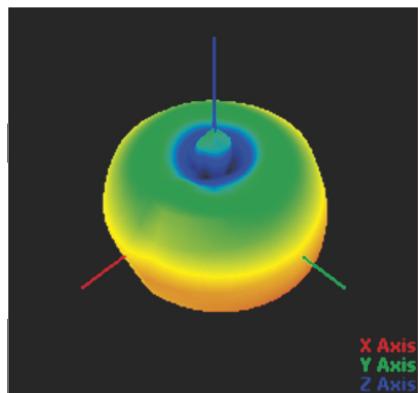
Coordination System Description:
 Line Colr XYZ Theta-Phi
 Red L. Axis X Theta90-Phi0
 Green L. Axis Y Theta90-Phi90
 Blue L. Axis Z Theta0



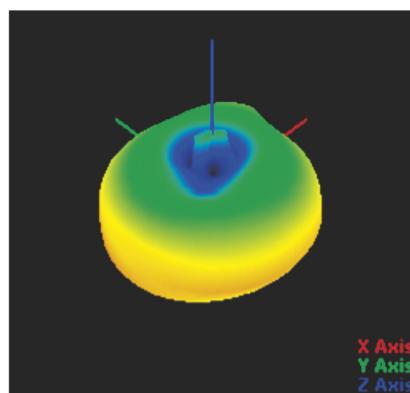
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Bluetooth Interface

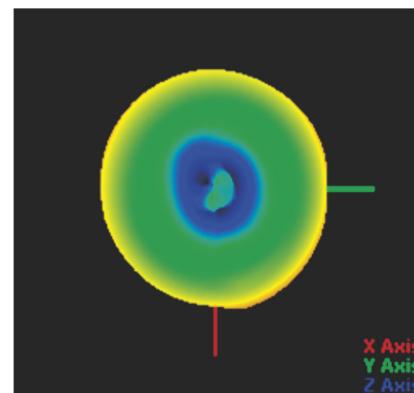
TX5 TRANSMISSION



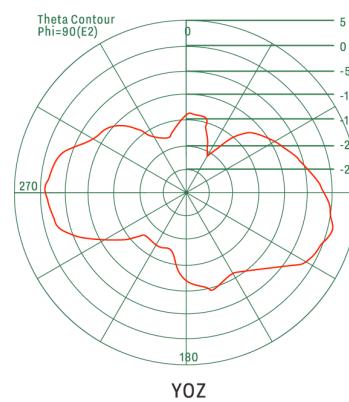
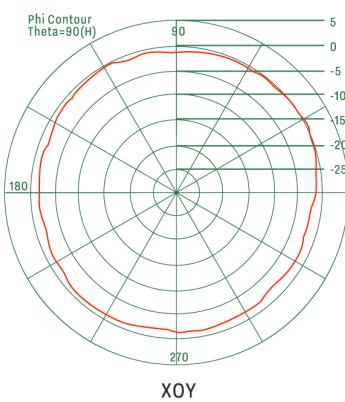
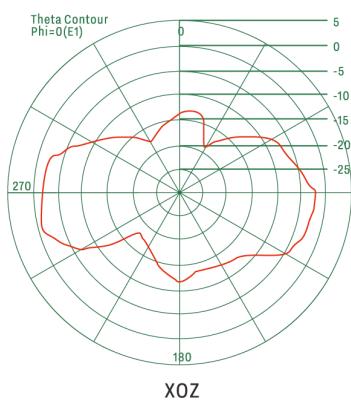
T45-P45



T45-P225

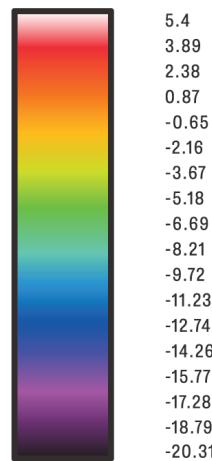


TO-PO



| 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 PPA102S-W C1



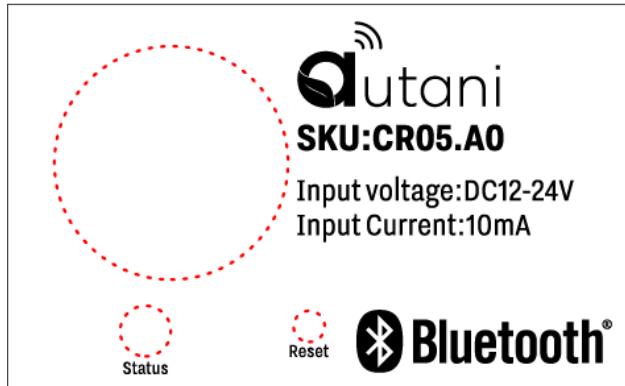
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PRODUCT LABEL



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APP DOWNLOAD



Due to our continued efforts to improve our products, specifications are subject to change without notice.

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