



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 \pm 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

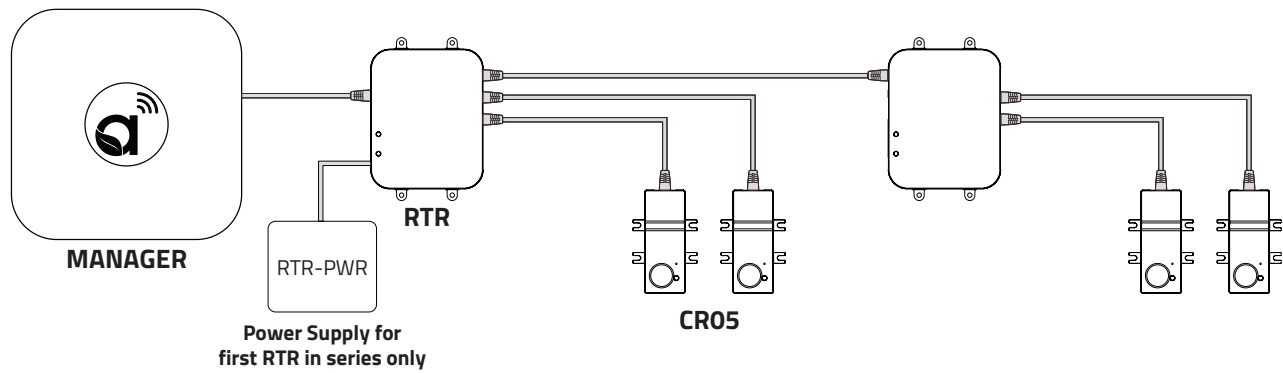
ORDERING INFORMATION - ACCESSORIES

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



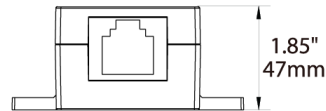
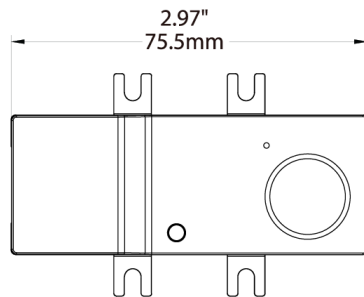
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WIRING

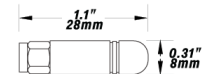


DIMENSIONS

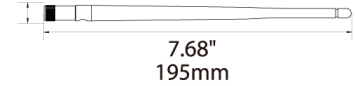
Unit: inch/mm



TX1



TX5

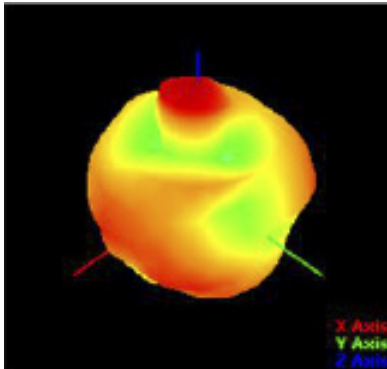
0.51"
13mm



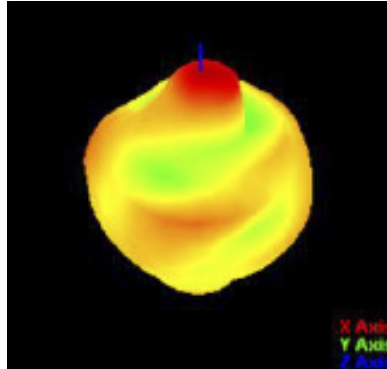
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Bluetooth Interface

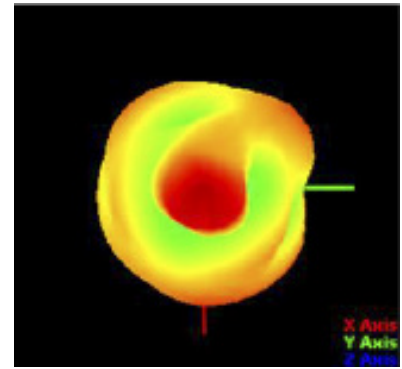
TX1 TRANSMISSION



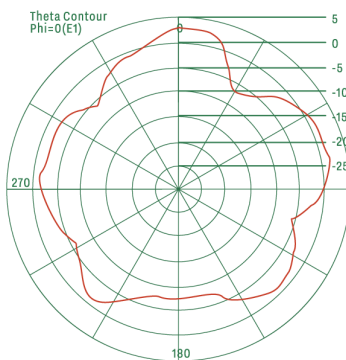
T45-P45



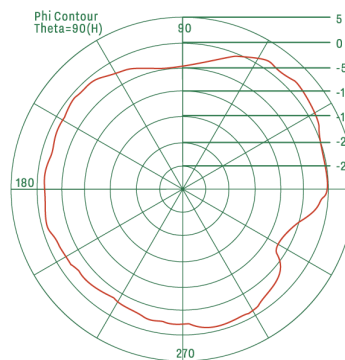
T45-P225



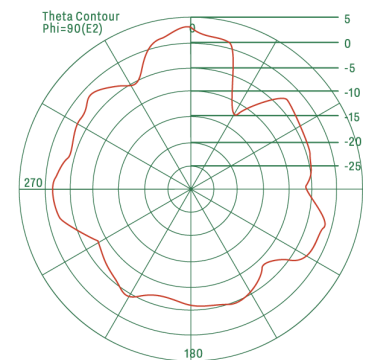
T0-P0



XOZ



XOY



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:

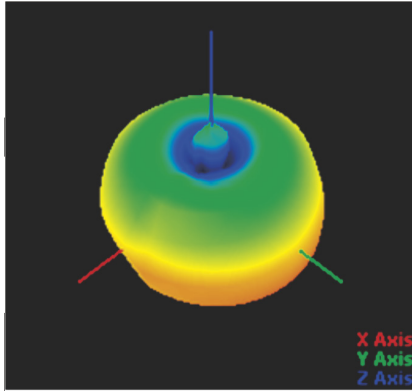
Line Colr	XYZ	Theta-Phi
Red L.	Axis X	Theta90-Phi0
Green L.	Axis Y	Theta90-Phi90
Blue L.	Axis Z	Theta0



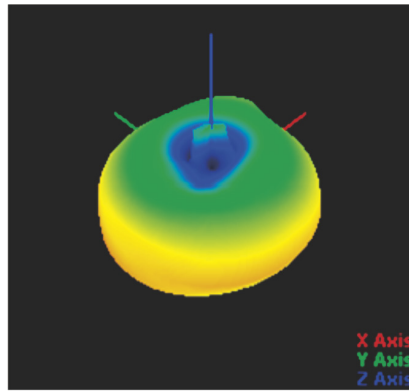
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Bluetooth Interface

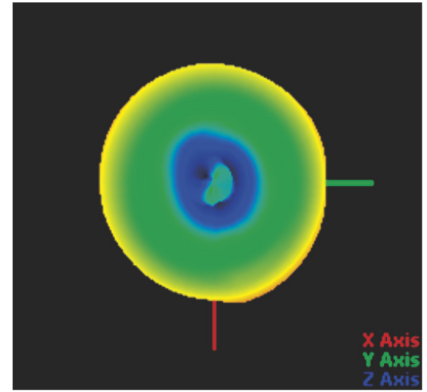
TX5 TRANSMISSION



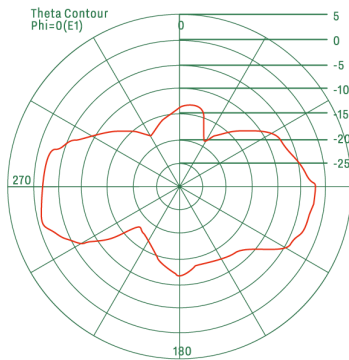
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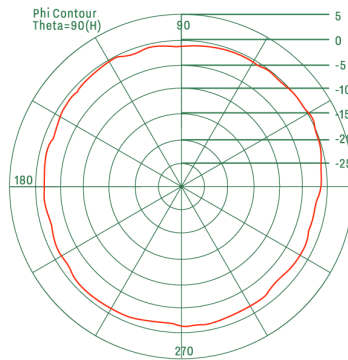
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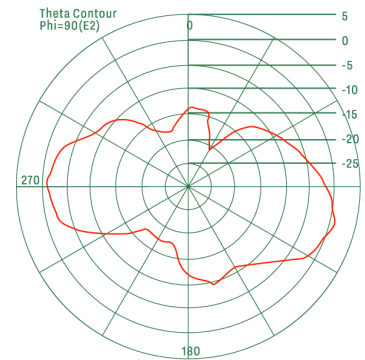
T0-P0



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



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 Color XYZ Theta-Phi
Red L. Axis X Theta90-Phi0
Green L. Axis Y Theta90-Phi90
Blue L. Axis Z Theta0

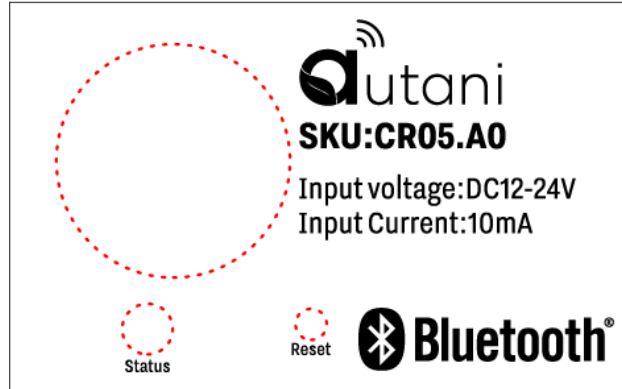
Note: The test transmission distance of two PPA102S-W C1



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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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