

Keilton + autani

CR05 Series Bluetooth Interface



CR05
(TX1 antenna is included)



Description

The CR05 is a dedicated Bluetooth interface for integrating 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
- Keilton+autani Zone should not exceed 4 hops across the wireless mesh
- Requires Autani Manager and RTR devices to function
- CAT-RXX cable required (not included)

Specifications

Input Voltage	DC12-24V
Input Current	10mA
Bluetooth Transmit	TX1: 984ft Max, TX5: 1968ft Max
Radio Frequency	2.4GHz ± 75MHz
Bluetooth Version	5.0
Operating Temperature	-30°C to 55°C, -22°F to 131°F
Storage Temperature	-30°C to 85°C, -22°F to 185°F
IP Rating	IP20
Color	White
Warranty	5 year warranty

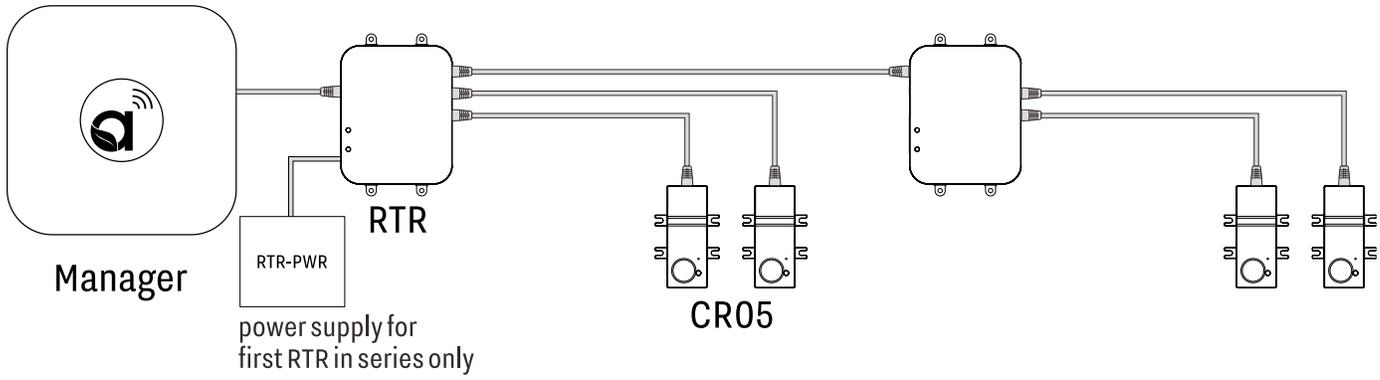
Ordering Information

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

Ordering Information - Accessories

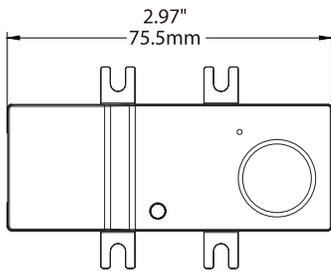
Model	Description
TX5	TX5 2.4GHz-5dbi Antenna
CAT-R10	10' CAT5e, Plenum Rated Cable
CAT-R25	25' CAT5e, Plenum Rated Cable
CAT-R50	50' CAT5e, Plenum Rated Cable
RJ45-C	RJ45 Female-Female Coupler

Wiring

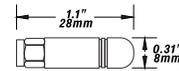


Dimensions

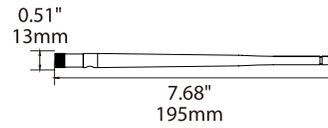
Unit:inch/mm



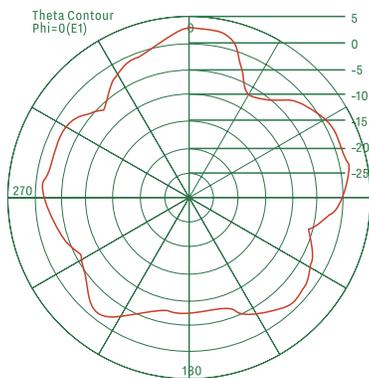
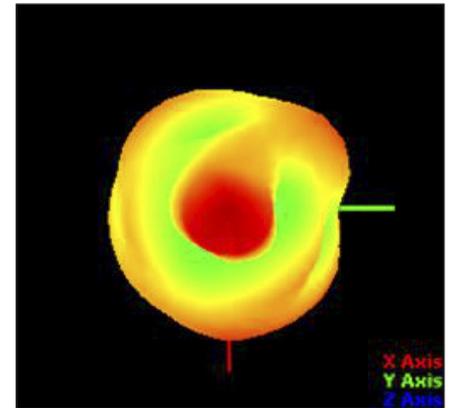
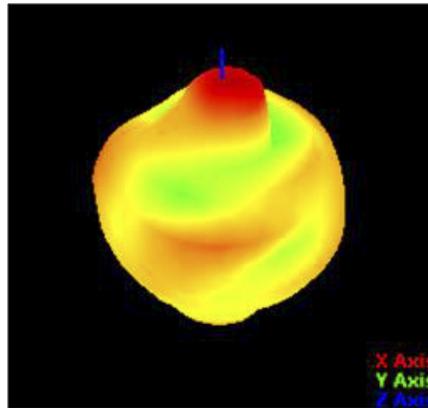
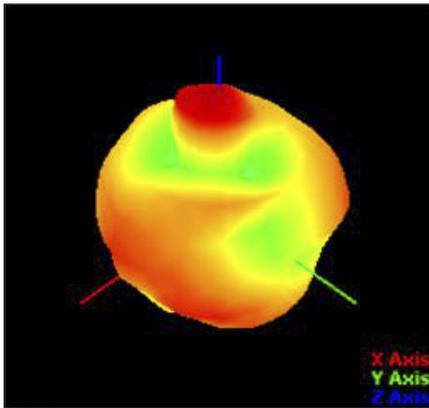
TX1



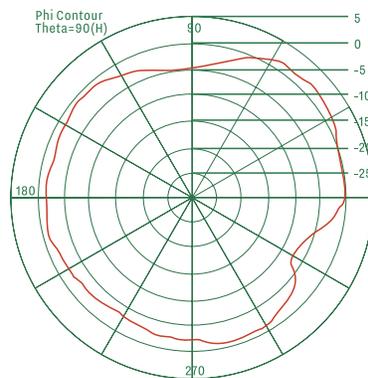
TX5



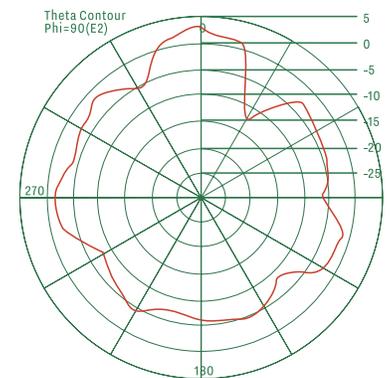
TX1 Transmission



XOZ



XOY



YOZ

TX1 Transmission

Wireless Signal Strength

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



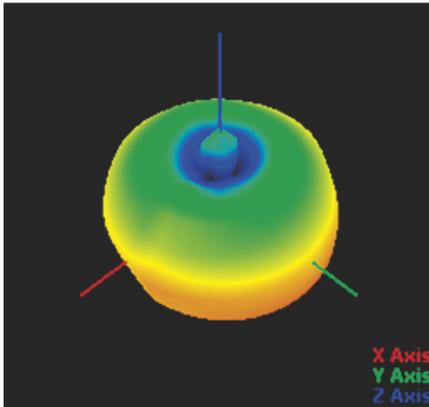
3.48
2.5
1.52
0.54
-0.44
-1.41
-2.39
-3.37
-4.35
-5.33
-6.31
-7.29
-8.27
-9.25
-10.23
-11.21
-12.19
-13.17

Coordination System Description:

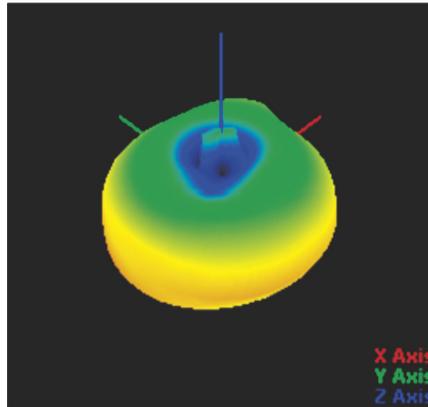
Line Color	XYZ	Theta-Phi
Red L.	Axis X	Theta90-Phi0
Green L.	Axis Y	Theta90-Phi90
Blue L.	Axis Z	Theta0

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

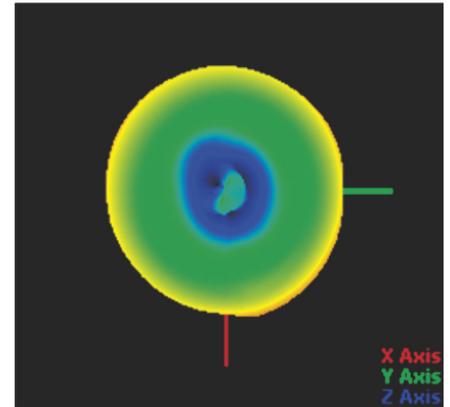
TX5 Transmission



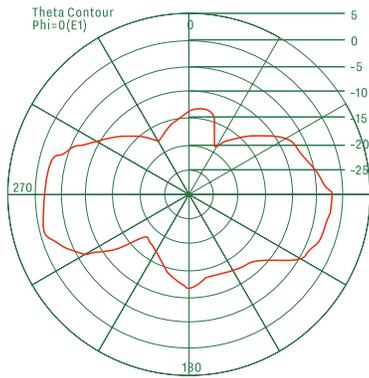
T45-P45



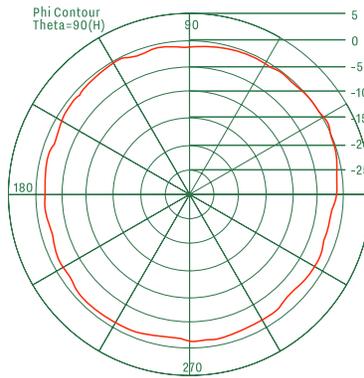
T45-P225



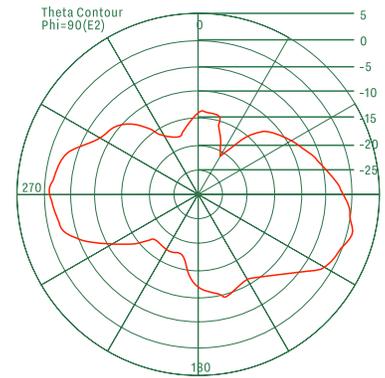
T0-P0



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



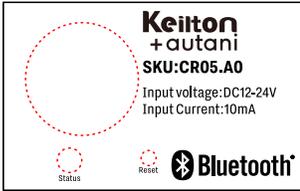
5.4
3.89
2.38
0.87
-0.65
-2.16
-3.67
-5.18
-6.69
-8.21
-9.72
-11.23
-12.74
-14.26
-15.77
-17.28
-18.79
-20.31

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

Product Label



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App Download



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