

## BubblyBox for Small Office - Below 250sq.ft. | Model: B-1T-1C-00-00

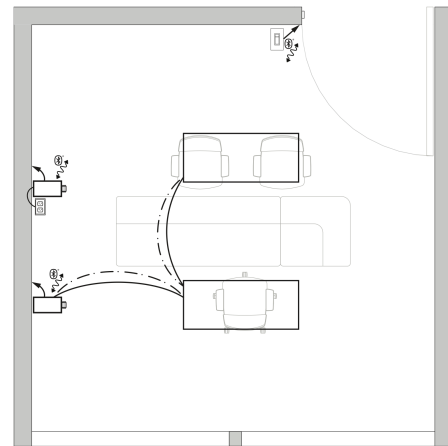


### Description

BubblyBoxes are stand-alone control solutions in a box. BubblyBoxes are the ultimate in simplicity. They are already programmed on their own network and do not require for the installer to pair devices or open an app. All works as per sequence of operation.

All devices are labeled with a QR code identifying the network which allow BubblyNet Authorized Service Providers to modify settings or even reset the devices and re-add them to a network upgrading the stand-alone system to a full integrated networked system, all over-the-air and without the need of additional hardware.

- Dimensions - 5" x 5" x 5" (127 x 127 x 127mm)



### BubblyBox for Small Office, below 250sq.ft.

This Box includes a CT20 0-10V 20A Controller and a wall mounted dimmer + Occupancy Sensor.

## 20A Load Controller 0-10V / Plug Load | Model: C-T20-17-DJ00



### Specification

- AC Input Voltage - 100-277VAC | 50/60Hz
- Output Relay - 100-277VAC | 50/60Hz | 20 Amps Max
- Operating Temperature - 4° to 122°F (-20° to 50°C)
- Wire Range - 12 - 18 AWG Wire
- Dimensions - 3.25" x 2.17" x 1.22"

### Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.

### Description

The Load Controller is a wireless Bluetooth NLC device that controls via Bluetooth any ON/OFF and/or 0-10V load up to 20 Amps. It can be installed outside of J-boxes through the standard opening according to electrical codes. It can control a single or multiple AC devices connected together.

### Operation

The C-T20-17-DJ00 Load Controller operates on 100-277V. Once powered up, the device broadcasts its identification code waiting to be provisioned through the BubblyNet App.

### Features

- Simple to Install
- Does Not Require a Gateway

### Certification



### Relay Ratings

Load Type	100-277VAC Signal Converter with 20A Relay, SR-BL2421-SVVT
AC General Use	20A@120-277VAC
Resistive	20A120VAC 20A277VAC
Inductive	10A@120-277VAC
Capacitive	8A@120-277VAC
Motor	0.5HP@120VAC 1 HP@240VAC

## Keypad Switch + Occupancy Sensor | Model: K-C3-UDS-00WH



### Specifications

- Sensor Type - PIR Occupancy Sensor
- Input Voltage - 110-277 VAC | 50/60Hz
- Max Power Consumption - 1.5W
- Maximum Sensor Range\* - 48ft x 36ft at 3.5ft mounting height (14.6m x 11m at 1.1m mounting height)
- BLE Range - 30ft (15.2m) (Typical)
- Time Delay - Varies
- Sensitivity Settings - Low, Medium, High
- Operating Temperature - 32°F to 131°F (0°C to 55°C)
- Storage Temperature - 14°F to 140°F (-10°C to 60°C)
- Relative Humidity - 95% non-condensing
- Mounting - Standard J-Box
- Dimensions - 4.5" x 2.75" x 0.75"  
(114.3 x 69.85 x 19.05 mm)
- Color - White (Faceplates - White, Light Almond, or Light Gray)
- Warranty - 5 Years

### Description

The **K-C3-UDS-00WH** is a Wall Dimmer Switch with integrated Occupancy Sensor. Dimming and sensing functions are wireless but requires 110-277V connection to power device.

### Sensor Operation

Connect the **K-C3-UDS-00WH** Sensor Switch to a Bluetooth Mesh Network to control a group of luminaries in a specific zone. The BubblyNet Commissioning App enables adjustment of the sensor parameters such as time delay and dim level.

### Installation

The **K-C3-UDS-00WH** Sensor Switch can replace a standard single pole wall switch and installed as a common switch screwed to a standard J-box.

The **K-C3-UDS-00WH** Sensor Switch needs to be installed within 30 feet of the closest device within the Bluetooth Mesh Network.

\*results may vary based on mounting height, temperature, angle, floor material and line of sight.

### Features

- Bluetooth Mesh Qualified
- Wireless Dimming and Sensing Functions
- LED Status Indicator Light
- Program Occupancy/Vacancy, ON/OFF, Up/Down
- Mounts in standard J-box
- Suitable for Indoor Use Only

### Certifications



### Applications

The **K-C3-UDS-00WH** is a Passive Infrared Sensor best suited for applications with clear line of sight and good air circulation. The sensor will automatically turn on the lights to set dimming level when motion is detected and turn off lights automatically after the area is vacated. Often used in conference rooms, offices, class rooms and private restrooms.

### Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

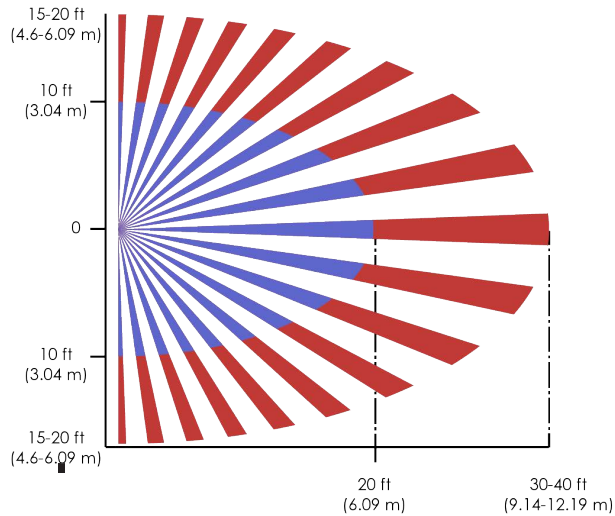
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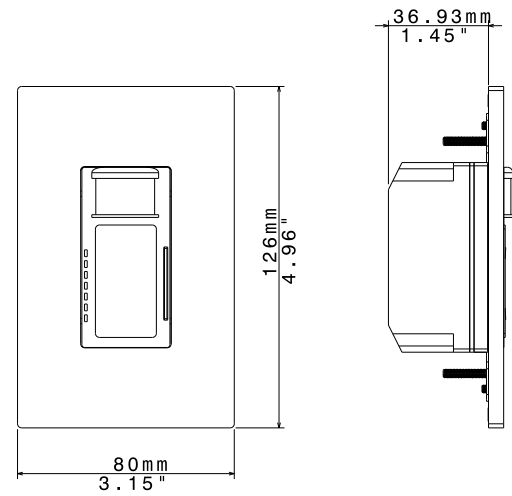
## Keypad Switch + Occupancy Sensor | Model: K-C3-UDS-00WH

### Detection Area (reference only)

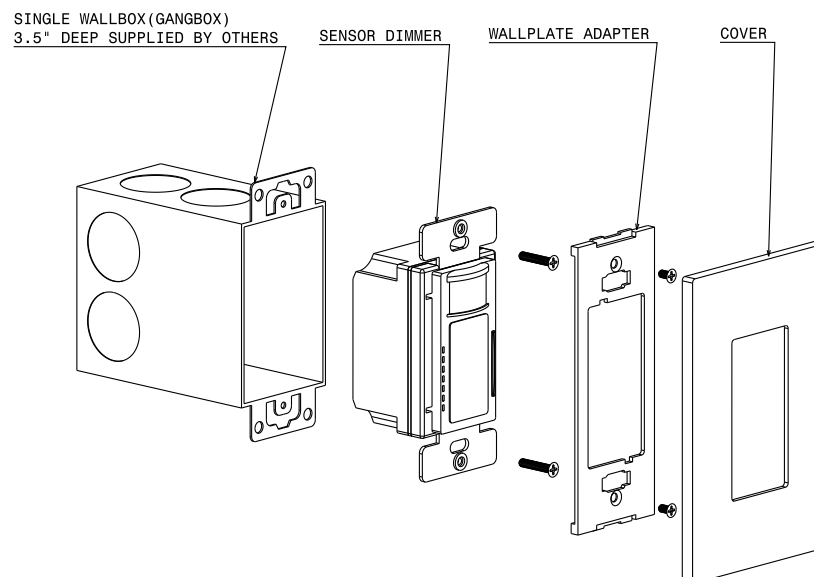


Drawings are not to scale

### Dimensions with Faceplate



### Installation



## Keypad Switch + Occupancy Sensor | Model: K-C3-UDS-00WH



### Faceplate Ordering Key | One Code Per Faceplate



WHITE



LIGHT  
ALMOND



LIGHT  
GRAY

**F - U - M \_ \_**

FACEPLATE  
US STANDARD  
MINIMAL STYLE  
2 DIGIT COLOR  
WH = White  
LA = Light Almond  
LG = Light Gray

Colors shown cannot be guaranteed to match actual product colors.