



## Eta COMPUTE SPC00 Device Installation Guide

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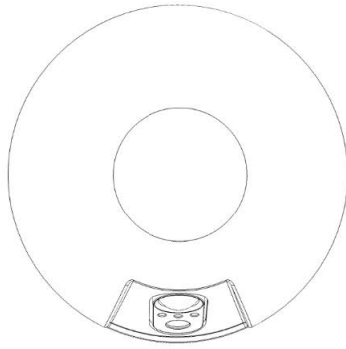
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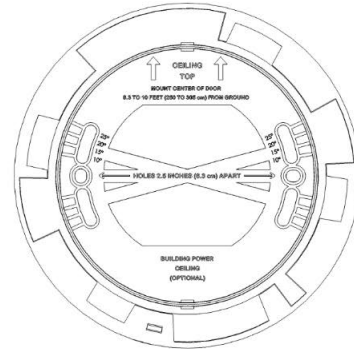
### Eta COMPUTE SPC00 Device



1. Included in package

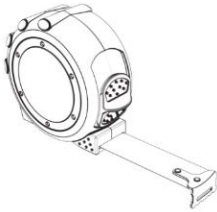


**TALIA**

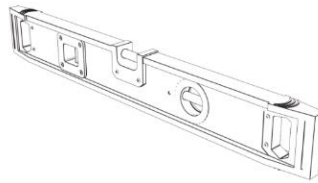


**WALL MOUNT**

**2. Additional tools needed**



**10' + MEASURING TAPE**

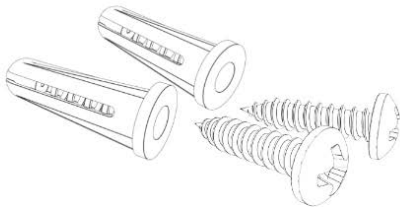


**LEVEL**

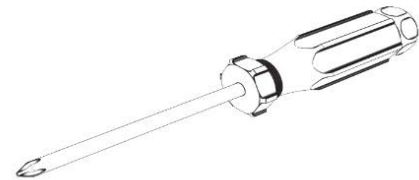


**PENCIL**

**3. Optional tools and hardware (not included)**



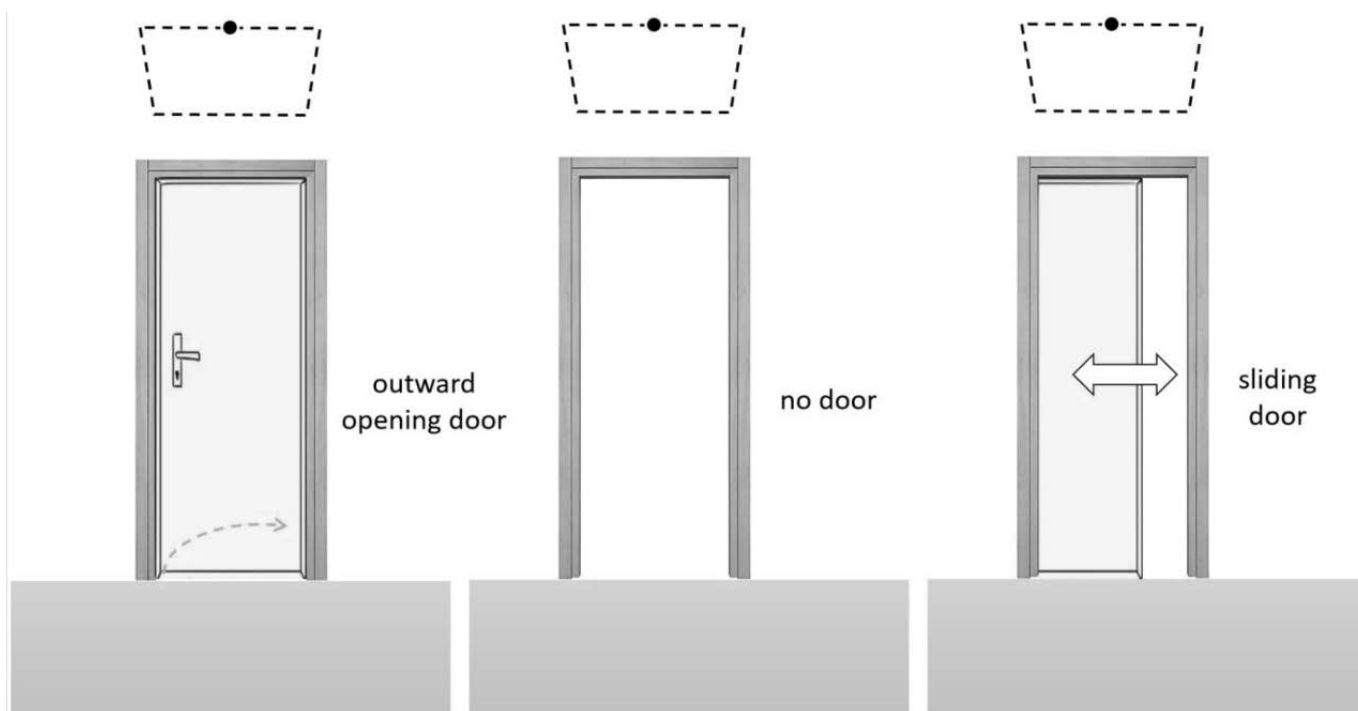
**WALL ANCHOR & SCREWS  
(#6 OR EQUIVALENT)  
HOLE DIAMETER: 3/16" OR 4.5 MM**



**SCREW DRIVER**

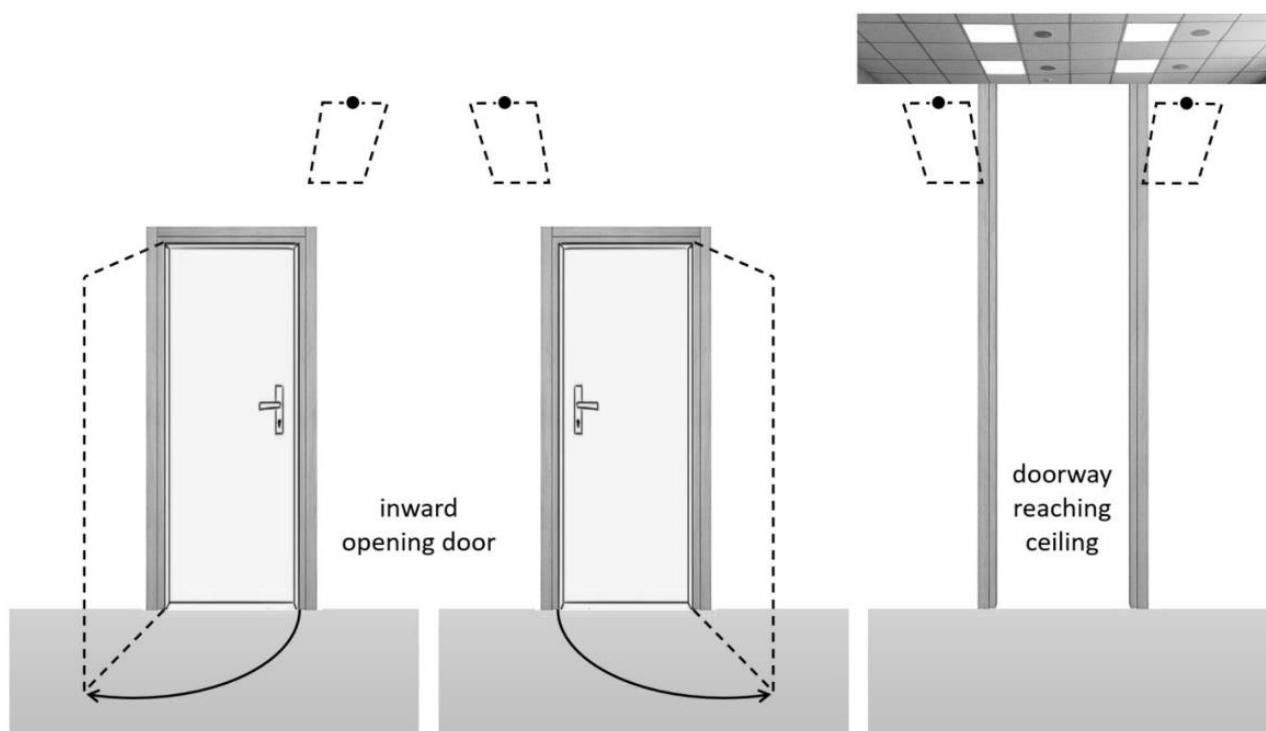
**4. Determine installation location**

The Talia sensor is designed for single-wide doors in commercial offices and other public spaces. Depending on the door configuration, there are two categories of mounting position.



### Case 1 (center)

Use center placement if there is no door mounted in the doorway, the door opens outwards (outside of the room where the device is mounted) or in the presence of a sliding door.



### Case 2 (side)

In the case where a door swings into the primary space (inward opening door), Talia must be mounted on the side opposite the door's hinges, to minimize interference in sensing by the door. Side placement can also be used for doorways which reach the ceiling or any other situation making center placement not possible.

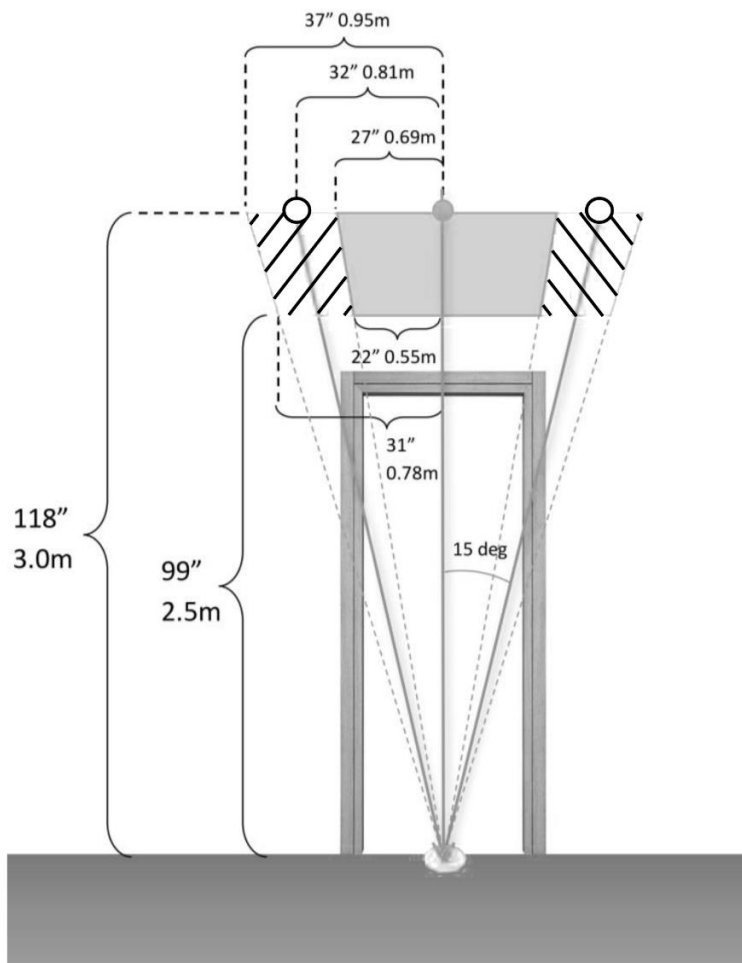
Optimal and allowed mounting position of the Talia device above the door. Lens should always point towards the doorway center point

Note that correct Talia placement ensures good performance in the case where people enter through the door and then taking a hard left or right turn (so their path ends up parallel to the one of the walls adjacent to the doorway).

This is a realistic scenario for conference rooms where a conference room table and chairs may immediately block progress after a person enters the room.

For optimal performance Talia should be mounted in one of the optimal locations as indicated by shaded and white circles in figure 5. However, if optimal placement is not possible (e.g., due physical obstacles or low ceiling) Talia

can be mounted within the allowed position zones. If using the allowed position zones, for best performance Talia should be mounted as close and possible to the optimal position.



#### CASE 1 (CENTER)

Optimal position

Allowed Position Zone

#### CASE 2 (SIDE)

Optimal location

Allowed Position Zone

Direction of  
camera lens

Doorway center  
point

NOTE: Dimensions are  
measured to the center of the  
Talia housing

	Minimum	Optimal	Maximum
Door Height HD	No limit		No limit
Door Width WD	32" 0.81m		48" 1.22m
Sensor Mounting Vertical Height	99" 2.5m	118" 3m	118" 3m
<b>CASE 1 (CENTER) mounting</b>			
	0 deg	0 deg	12.5 deg
Sensor distance from centerline (top of zone)	0" 0.0m	0"	27" 0.69m
Sensor distance from centerline (bottom of zone)	0" 0.00m		22" 0.55m
<b>CASE 2 (SIDE) mounting</b>			
	12.5 deg	15 deg	17.5 deg
Sensor distance from centerline (top of zone)	27" 0.69m	32" 0.81m	37", 0.95m
Sensor distance from centerline (bottom of zone)	22" 0.55m		31", 0.78m

## Mounting position chart

### Rotation

Talia must be mounted with its primary sensing elements pointing towards the center of the threshold of the monitored doorway. Talia provides two methods to achieve this:

### For optimal locations – predefined angle

Talia provides a simple method for mounting with the correct (0 or 15 degree) rotation at the shaded locations in

figure 5. The simple method doesn't require any measurements or calculations other than those needed to locate the shaded optimal location on the wall.

	DISTANCE FROM CENTER							
HEIGHT	0	.2 M	.4 M	.5 M	.6 M	.7 M	.8 M	.9 M
3M	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	12.5 DEG	15 DEG	15 DEG
2.75M	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG
2.5M	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG	15 DEG
INSIDE DOOR FRAME						OUTSIDE DOOR FRAM		

	DISTANCE FROM CENTER							
HEIGHT	0	0.6 FT	1 FT	1.4 FT	1.8 FT	2.2 FT	2.6 FT	3 FT
9.8 FT	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	12.5 DEG	15 DEG	15 DEG
9FT	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG
8.2 FT	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG	15 DEG
INSIDE DOOR FRAME						OUTSIDE DOOR FRAM		

### For other locations – variable angles

Talia also provides a more flexible method for mounting with the correct rotation at any location within the allowed position zone

(hatched) in figure 5. This method requires additional distance measurements and multiple steps to calculate and install at the correct rotation angle.

### Tilt

For the sensing geometry shown above, the Talia must be tilted (with the top tilted away from the plane of the vertical wall) to ensure that Talia's field of view includes the door threshold (the line of the doorway at floor level). The Talia (with its mounting base) provides a built-in fixed tilt, such that when mounted flush onto a vertical wall, the correct field of view is achieved.

### Illumination

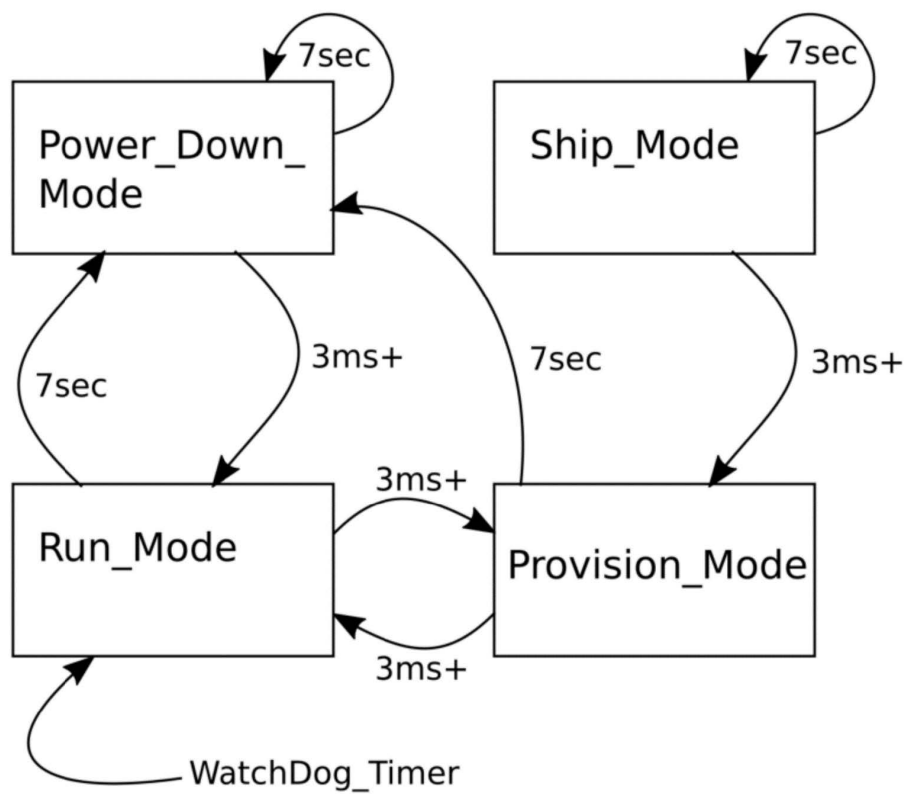
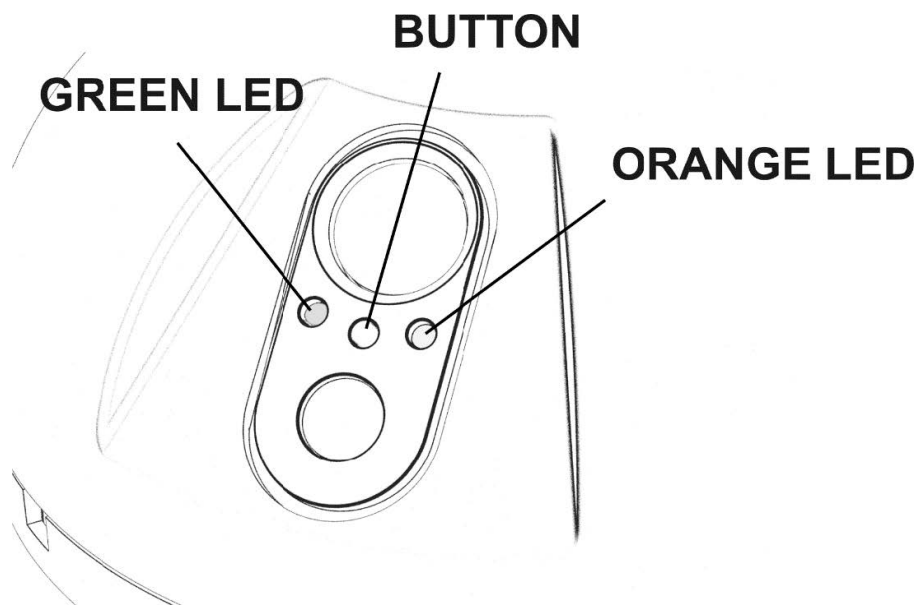
To achieve low power consumption and long battery life, the sensors will rely on externally sourced illumination.

### Commissioning and calibration

Talia is delivered in ship mode, with all circuitries powered down. Typically, Talia will be provisioned in provision mode, and then put into operation (run mode).

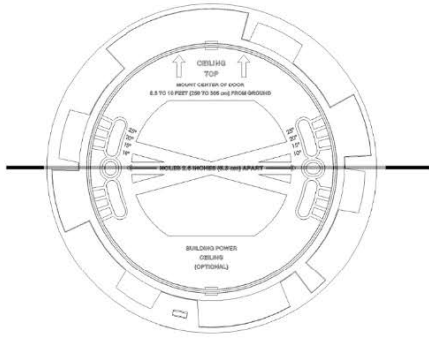
Once provisioned, Talia stays in run mode until a button press changes its state.

Talia modes are changed by pressing Talia's hidden button. Two distinct button-press lengths are supported – a long press, of at least seven seconds, and a short press of less than 3 seconds. The power button is located in the hole between the green and amber LEDs on the front of Talia and can be accessed using a suitable tool. The green LED is on steady for ten seconds when Talia exits power down mode or ship mode. This indicates that Talia has been turned on. The green led is pulsed at 1hz ten times when provision mode is entered.

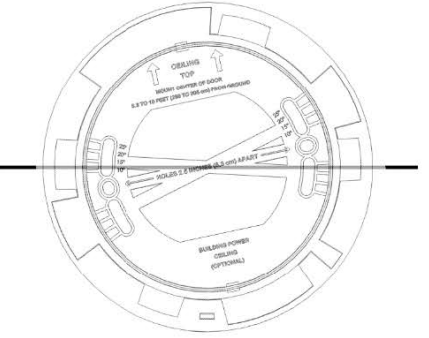
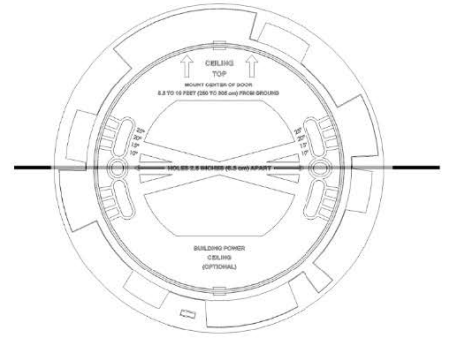


## 5. Mounting and installation

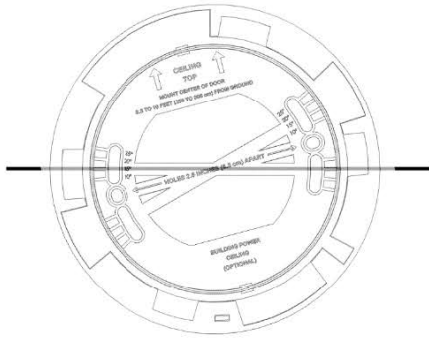
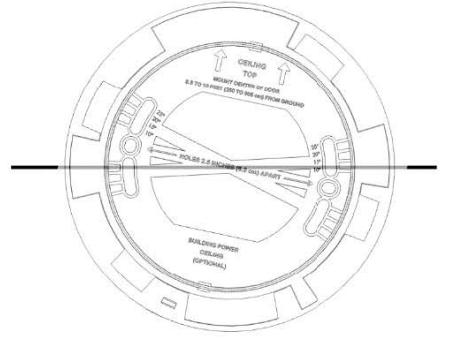
Using a level, draw a straight horizontal line at the height and location determined in section IV.



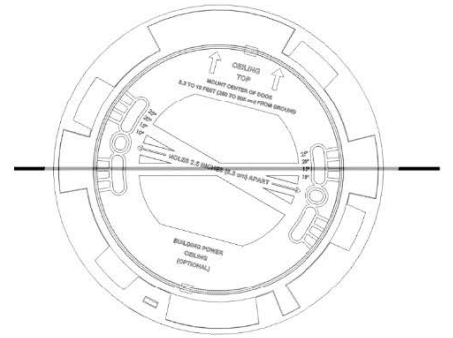
## 0 DEGREE TILT

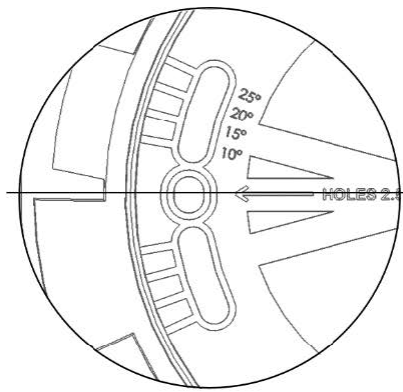


## 12.5 DEGREE TILT

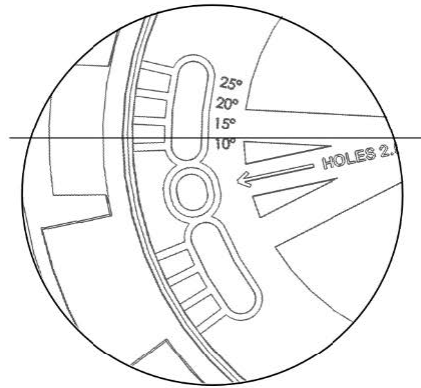


## 15 DEGREE TILT

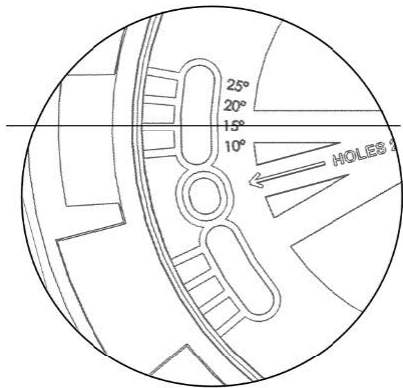




**0 DEGREE TILT**



**12.5 DEGREE TILT**

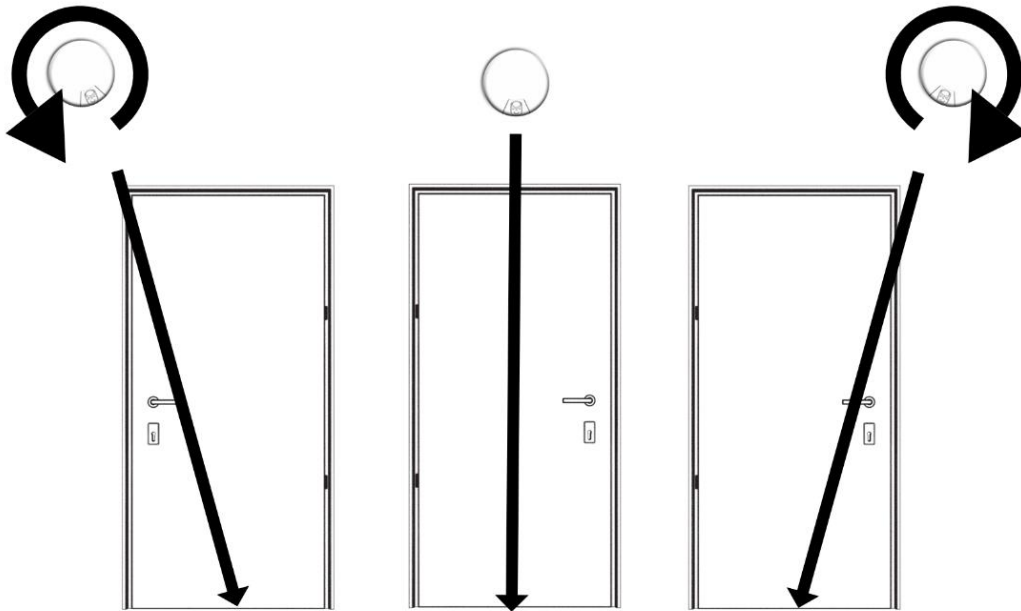


**15 DEGREE TILT**

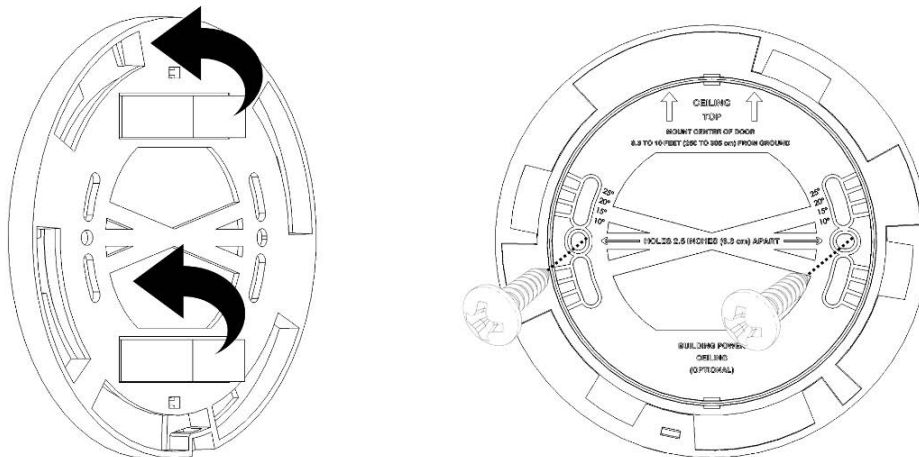
HEIGHT	DISTANCE FROM CENTER							
	0	.2 M	.4 M	.5 M	.6 M	.7 M	.8 M	.9 M
3M	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	12.5 DEG	15 DEG	15 DEG
2.75M	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG
2.5M	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG	15 DEG
INSIDE DOOR FRAME						OUTSIDE DOOR FRAM		

HEIGHT	DISTANCE FROM CENTER							
	0	0.6 FT	1 FT	1.4 FT	1.8 FT	2.2 FT	2.6 FT	3 FT
9.8 FT	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	12.5 DEG	15 DEG	15 DEG
9FT	0 DEG	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG
8.2 FT	0 DEG	0 DEG	0 DEG	12.5 DEG	15 DEG	15 DEG	15 DEG	15 DEG
INSIDE DOOR FRAME						OUTSIDE DOOR FRAM		



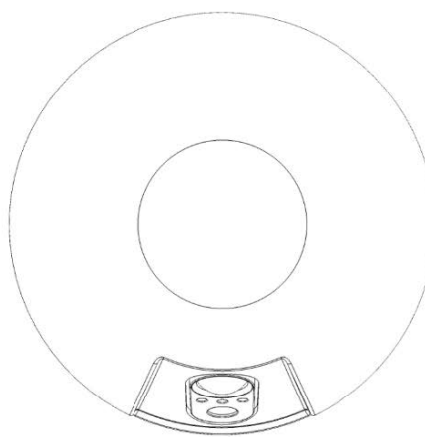
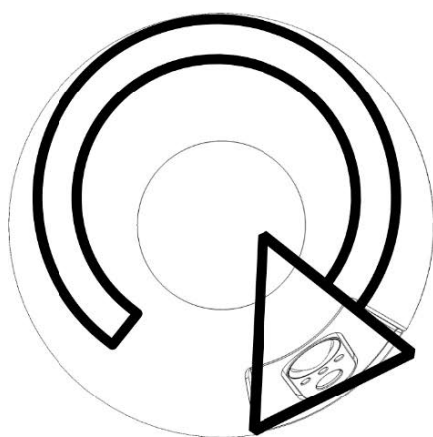
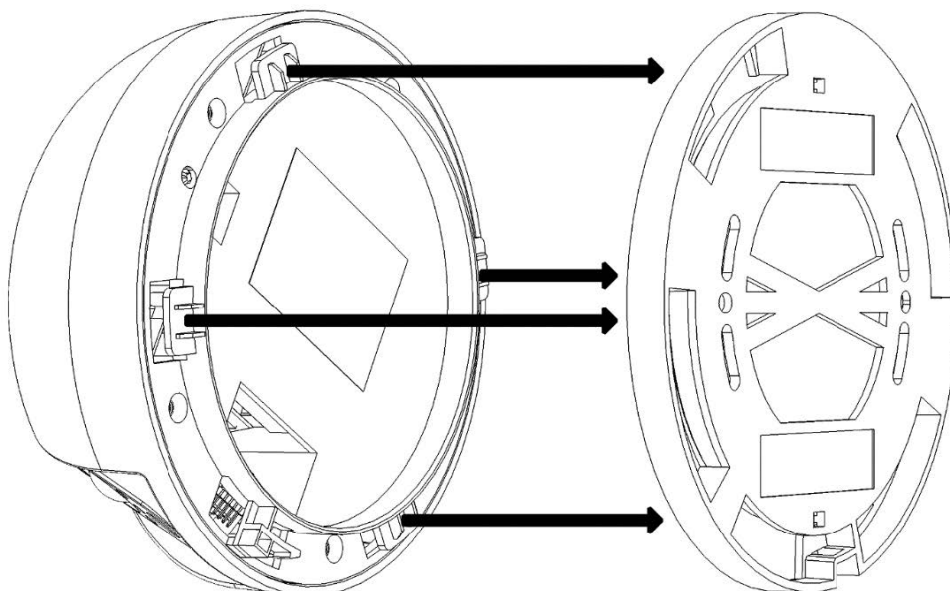


**\*\*Verify the base location and angle making sure Talia will point towards the bottom center of the door.**



Remove the tape peel from the wall mount and line it up with the chosen angle on the wall. Press and hold the wall mount firmly against the wall for 15 seconds. \*Optional wall anchors and screws should be placed 2.5 inches apart.

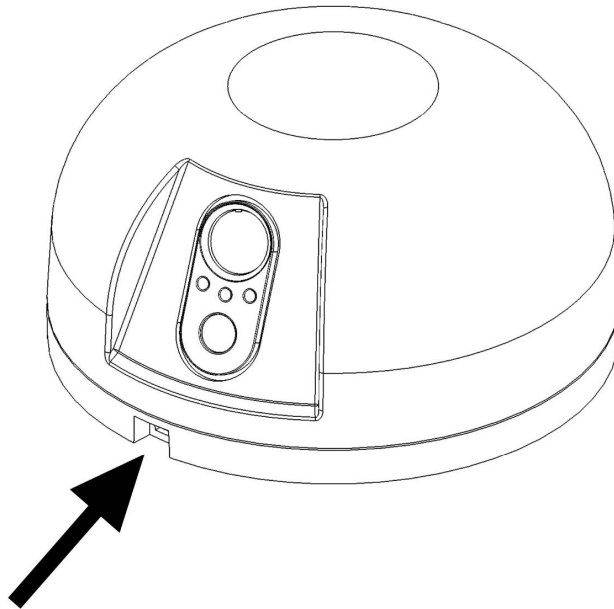
To attach Talia to the wall base plate: line up the four tabs on the bottom of the device with the matching openings on the base plate. Rotate the device clockwise until Talia “clicks” into place.



**"CLICK"**

## 6. Dismounting

Dismount the Talia from its base by using a flat thin object, such as a flat head screwdriver, to push down on the snap accessed by the space in the base. The side that is snapped will be the same side the Talia is rotated towards.



### Compliance Documentation

- Model # : SPC00
- Part # AS0010vA
- FCC ID : 2A7JIN-SPC00
- IC: 28771-SPC00 Manufacturer:

Eta Compute, Inc.

[WWW.etacompute.com](http://WWW.etacompute.com)

European Representative:

- Another Trail
- 5 Ailee de Troenes 38640 Claix, France

Caution: the user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC rules and industry Canada license-exempt RSS standard(s).

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.

**FCC& IC radiation exposure statement:**

This equipment complies with FCC and Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.  
 This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**Documents / Resources**

	<p><a href="#">Eta COMPUTE SPCO0 Device</a> [pdf] Installation Guide            SPCO0, 2A7JN-SPCO0, 2A7JNSPCO0, SPCO0 Device, Device</p>
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