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(12) **United States Design Patent**
Ni et al.

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(45) **Date of Patent: ** Oct. 29, 2013**

(54) **IN-WALL PASSIVE INFRARED OCCUPANCY SENSOR**

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(73) Assignee: **Wenzhou MTLC Electric Appliances Co. Ltd.**, Yueqing, Zhejiang (CN)

(**) Term: **14 Years**

(21) Appl. No.: **29/429,412**

(22) Filed: **Aug. 10, 2012**

(51) **LOC (9) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/70**

(58) **Field of Classification Search**
USPC ..... D10/65, 70, 75, 78, 97, 106.1–106.8; D14/138 R, 138 AA, 138 AB, 138 AC, D14/138 AD, 341–347, 507–510, 136, 167, D14/168, 496, 498, 499, 500, 125–134, 239, D14/371, 374–377, 440, 450, 448, 336, D14/342; 343/702; 345/87, 104, 133, 156, 345/168, 173, 901–905, 165; 348/180, 184, 348/315, 739, 836, 838, 325; 364/444, 499; 701/408–418, 431, 432, 537; 312/7.2; 341/12; 720/605, 669, 600, 655; 369/99, 197; 455/344, 347, 575.1; 250/221, 338.3, 340, 239, 342, 341, 250/DIG. 1, 353; 307/116, 117; 340/521, 340/527, 541, 567, 540, 568.2, 539.23, 635, 340/687; 315/159; 324/72.5, 556, 133, 149, 324/503, 543, 555, 66, 72, 754, 115, 141, 324/522; 73/615, 624, 627, 644, 514.33, 73/514.34, 510, 513, 527, 530; 356/3.01–5.15; 235/105; 377/5, 24.2, 377/26; 702/155, 160, 176, 78, 79, 82, 702/91–95, 104, 116, 141, 150, 151, 154, 702/127, 131, 182, 183, 189; 600/437, 443, 600/453, 459, 465, 479, 500, 502, 595, 485, 600/481, 483
See application file for complete search history.

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(74) *Attorney, Agent, or Firm* — Ziegler IP Law Group, LLC.

(57) **CLAIM**

The ornamental design for an in-wall passive infrared occupancy sensor, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of one embodiment of the sensor showing the new design.
FIG. **2** is a front view of the embodiment shown in FIG. **1**.
FIG. **3** is a left side view of the embodiment shown in FIG. **1**.
FIG. **4** is a right side view of the embodiment shown in FIG. **1**.
FIG. **5** is a top view of the embodiment shown in FIG. **1**.
FIG. **6** is a bottom view of the embodiment shown in FIG. **1**.
FIG. **7** is a back view of the embodiment shown in FIG. **1**.
FIG. **8** is a perspective view of another embodiment of the sensor showing the new design.
FIG. **9** is a front view of the embodiment shown in FIG. **8**.
FIG. **10** is a left side view of the embodiment shown in FIG. **8**.
FIG. **11** is a right side view of the embodiment shown in FIG. **8**.
FIG. **12** is a top view of the embodiment shown in FIG. **8**.
FIG. **13** is a bottom view of the embodiment shown in FIG. **8**.
FIG. **14** is a back view of the embodiment shown in FIG. **8**.
FIG. **15** is a perspective view of another embodiment of the sensor showing the new design.
FIG. **16** is a front view of the embodiment shown in FIG. **15**.
FIG. **17** is a left side view of the embodiment shown in FIG. **15**.
FIG. **18** is a right side view of the embodiment shown in FIG. **15**.
FIG. **19** is a top view of the embodiment shown in FIG. **15**.

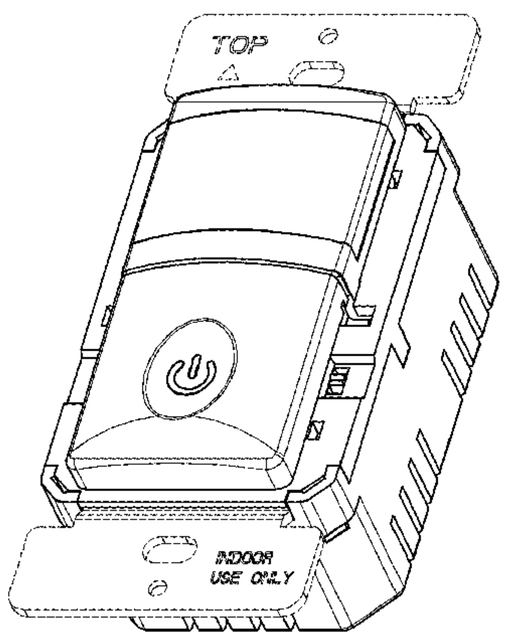


FIG. **20** is a bottom view of the embodiment shown in FIG. **15**.
FIG. **21** is a back view of the embodiment shown in FIG. **15**.
FIG. **22** is a perspective view of another embodiment of the sensor showing the new design.
FIG. **23** is a front view of the embodiment shown in FIG. **22**.
FIG. **24** is a left side view of the embodiment shown in FIG. **22**.
FIG. **25** is a right side view of the embodiment shown in FIG. **22**.
FIG. **26** is a top view of the embodiment shown in FIG. **22**.
FIG. **27** is a bottom view of the embodiment shown in FIG. **22**; and,
FIG. **28** is a back view of the embodiment shown in FIG. **22**.
The broken lines are for the purpose of illustrating portions of the environment and form no part of the claimed design.

1 Claim, 28 Drawing Sheets

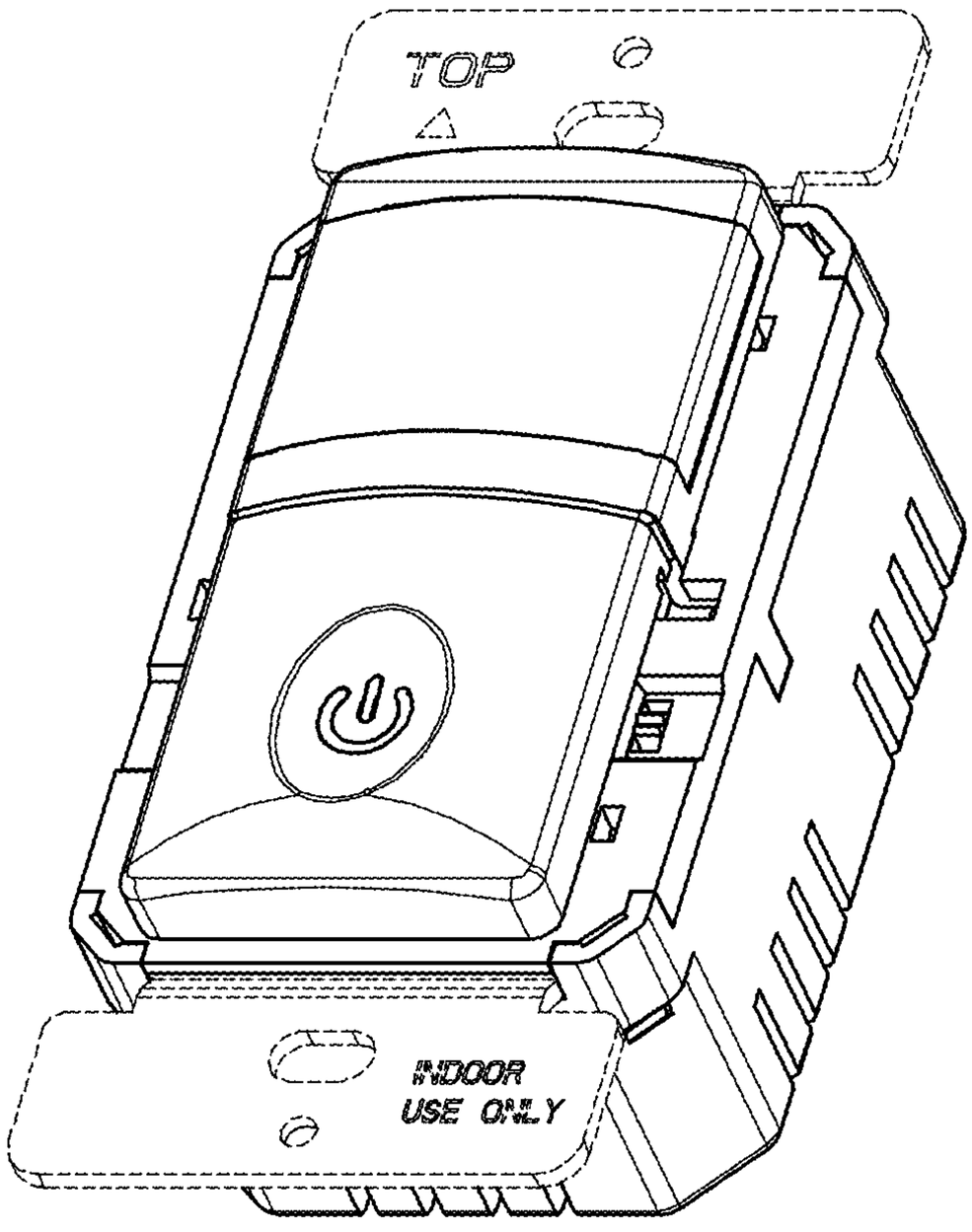


Figure 1

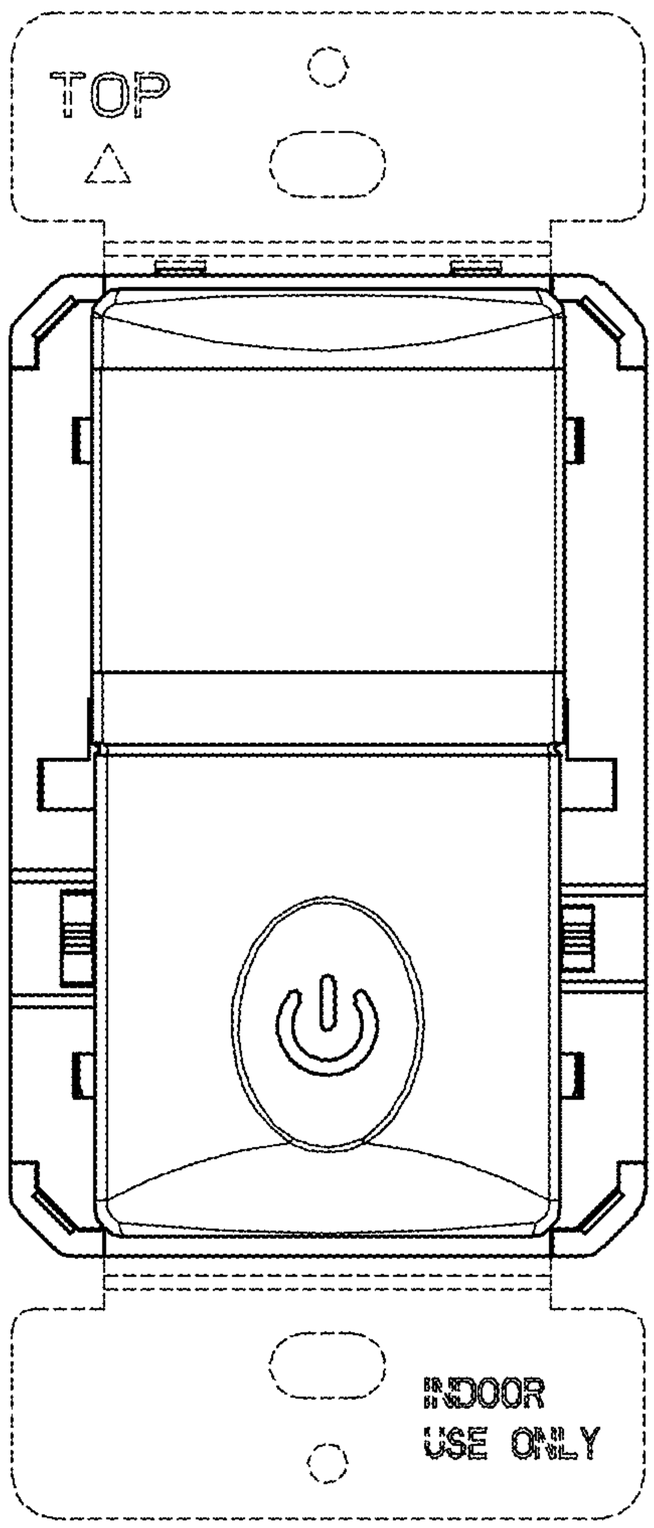


Figure 2

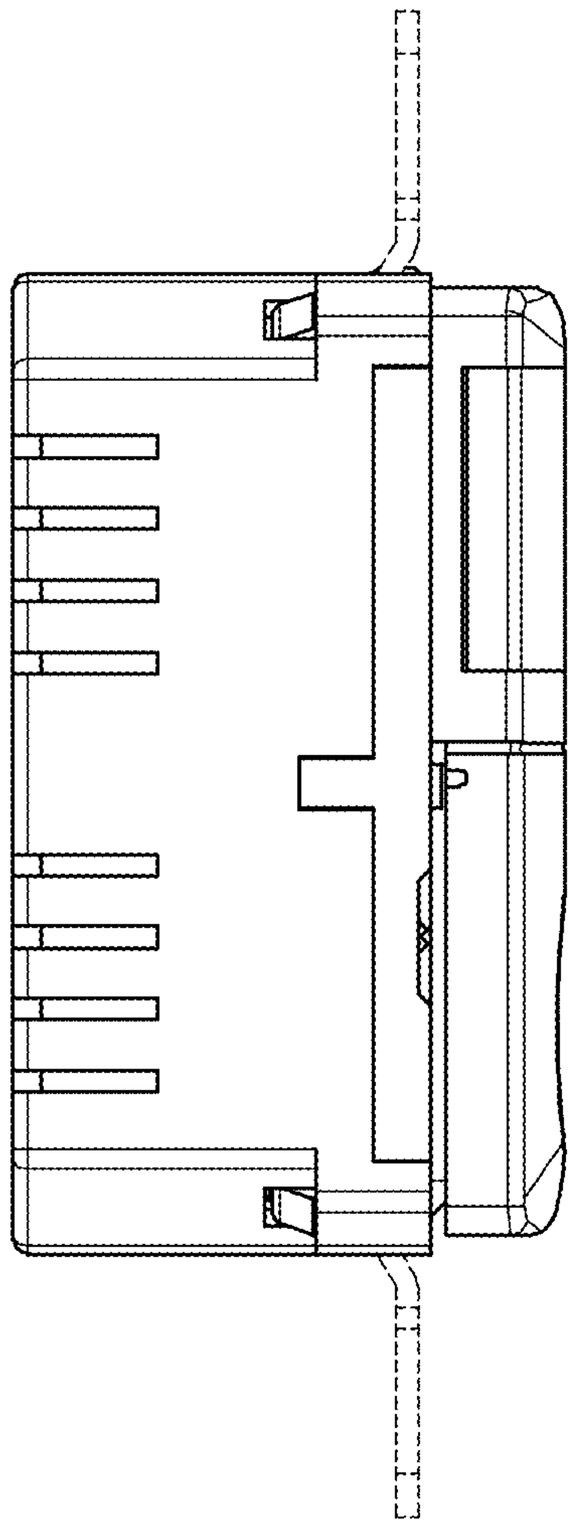


Figure 3

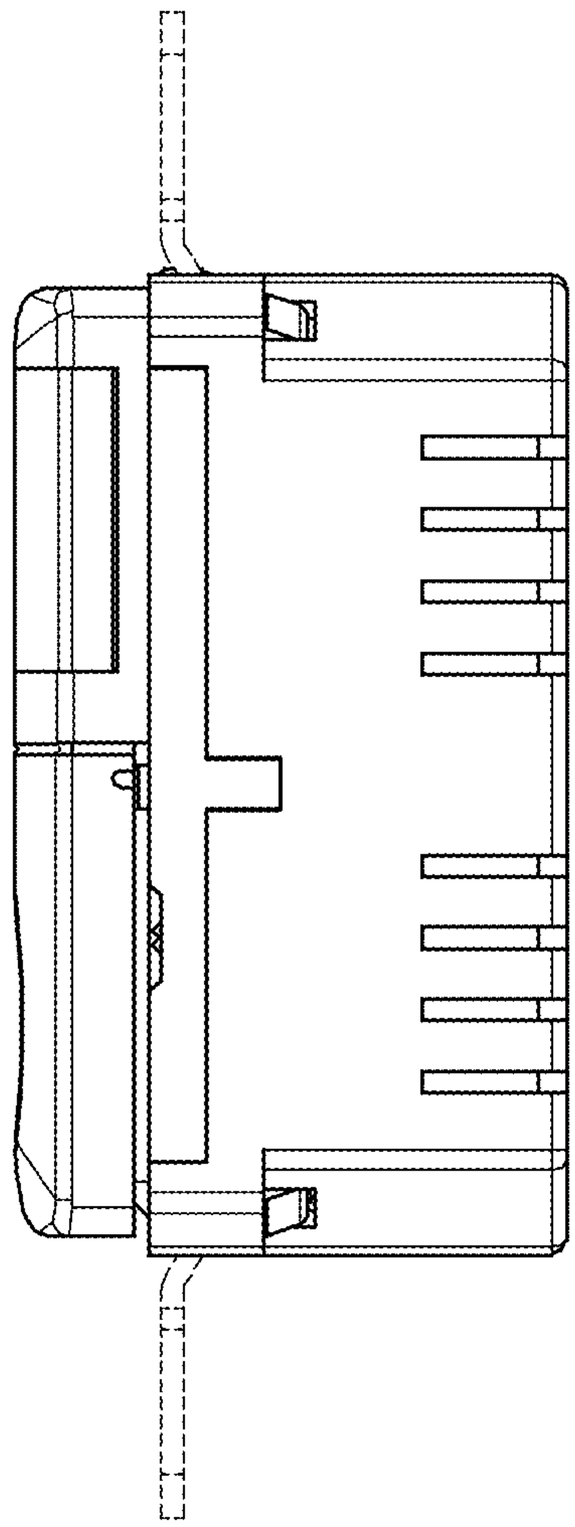


Figure 4

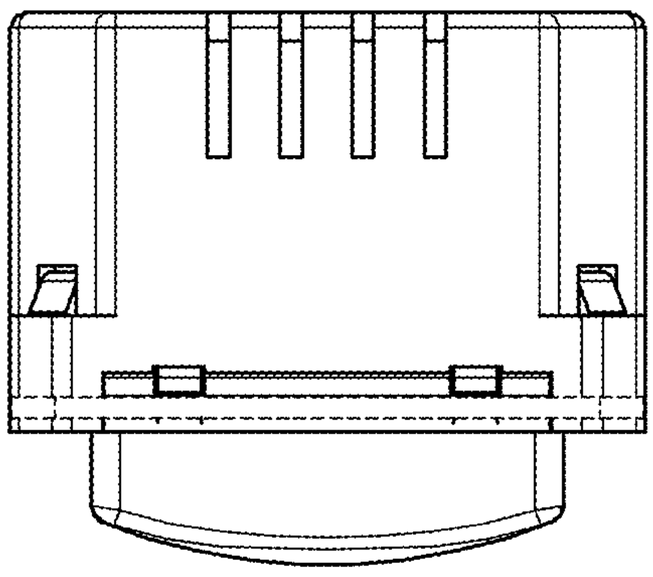


Figure 5

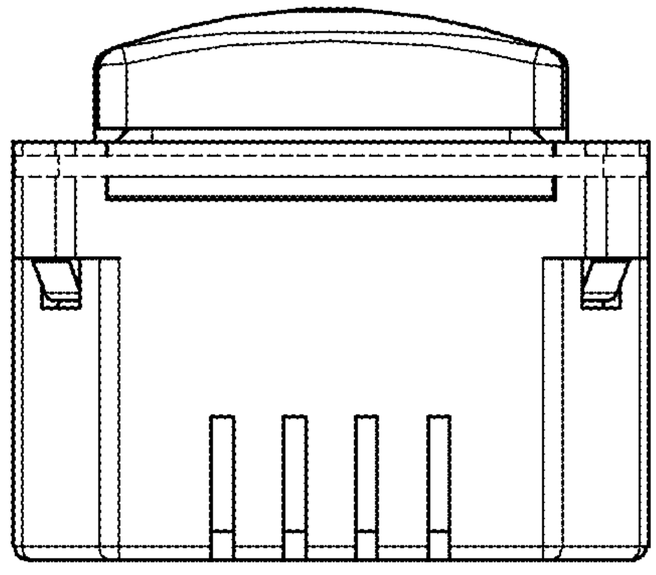
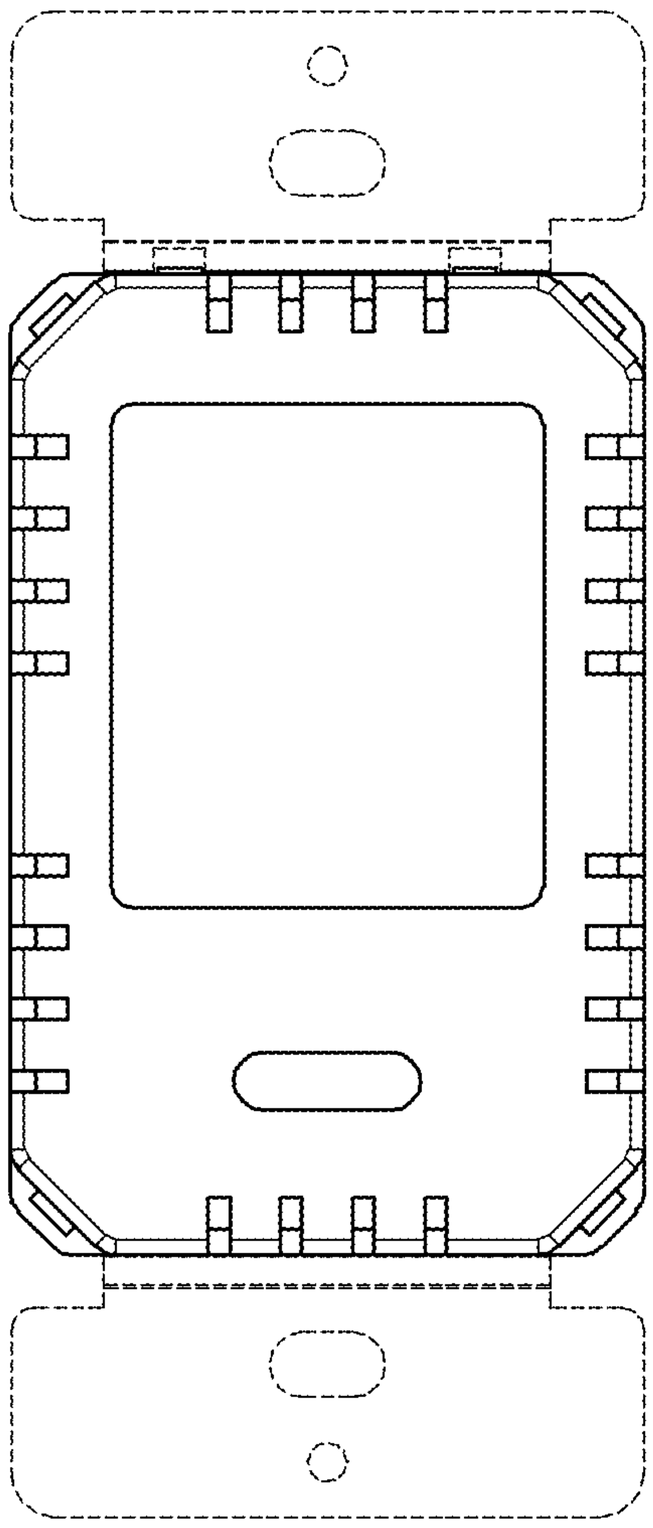


Figure 6



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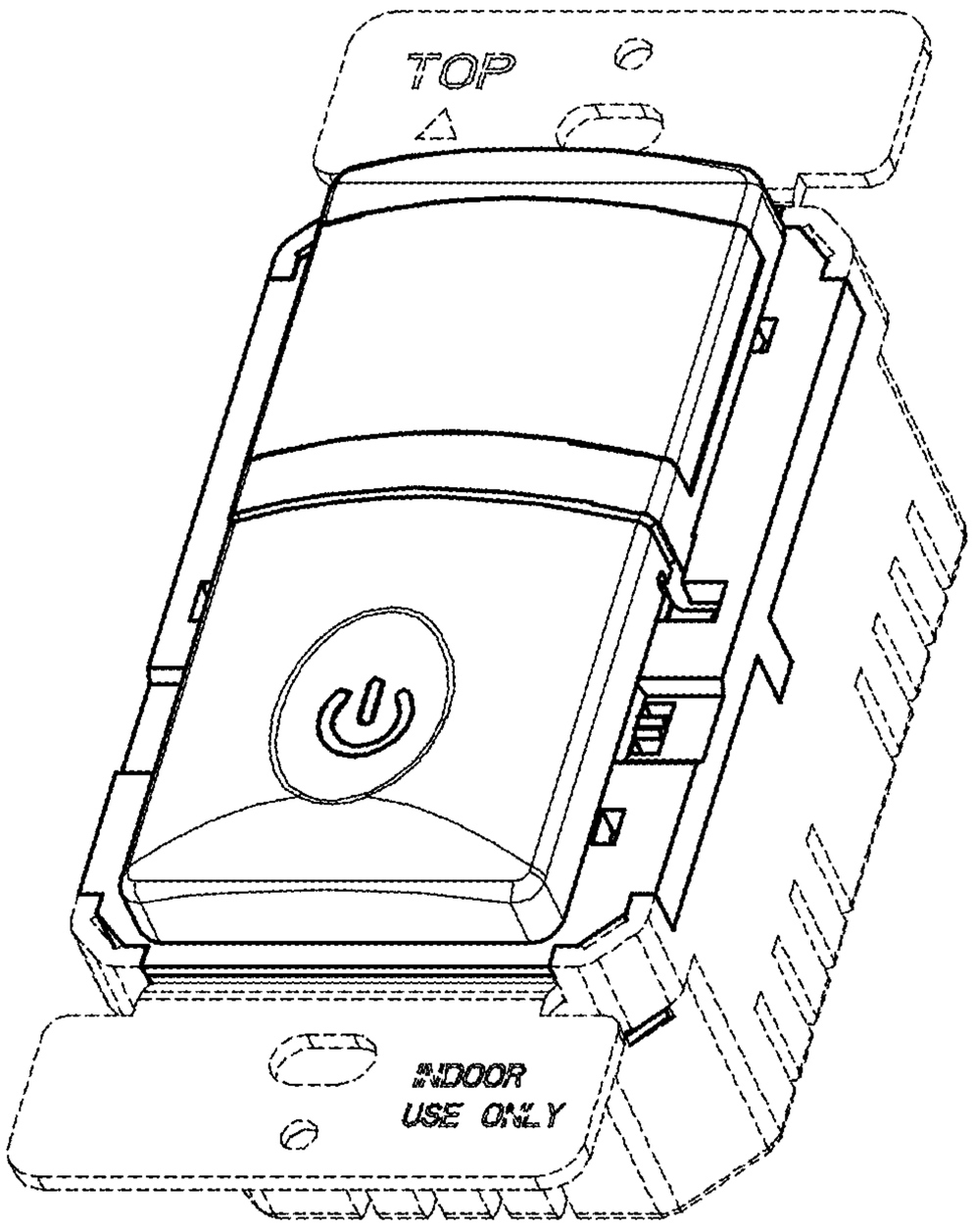


Figure 8

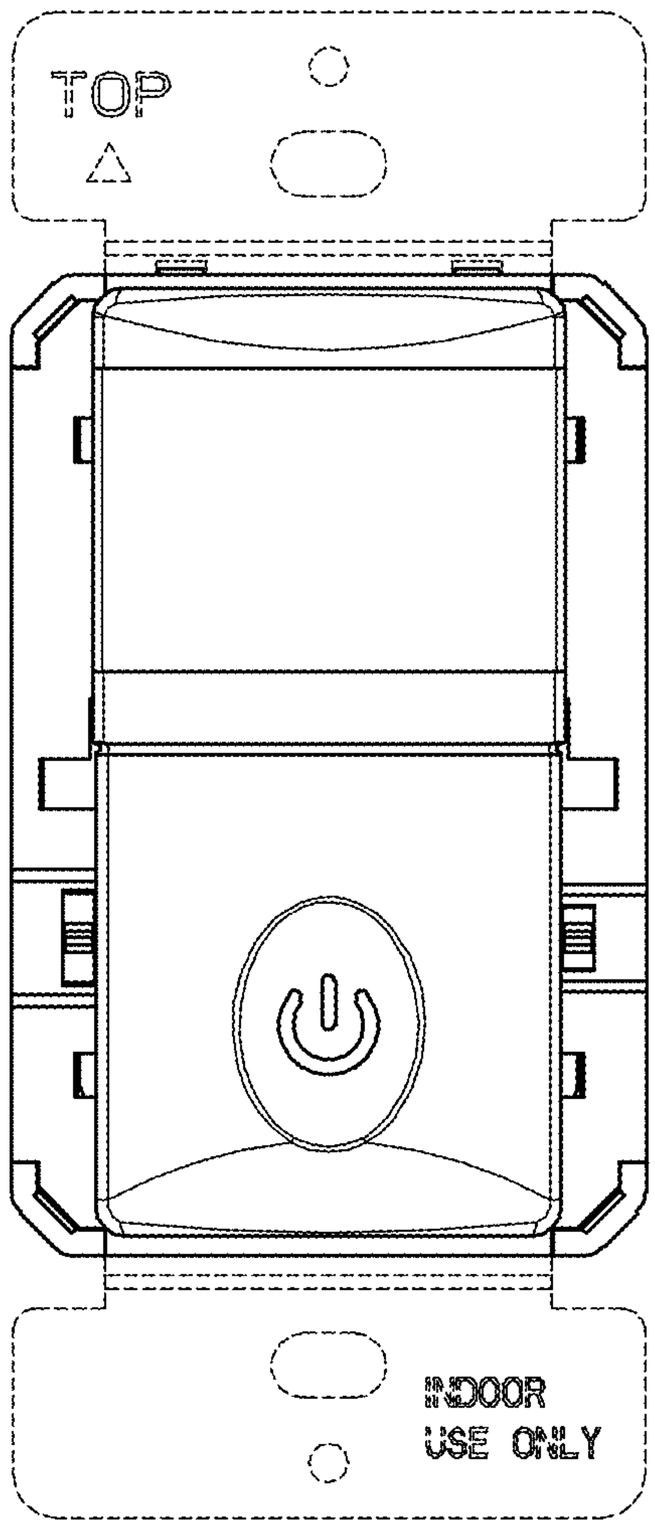


Figure 9

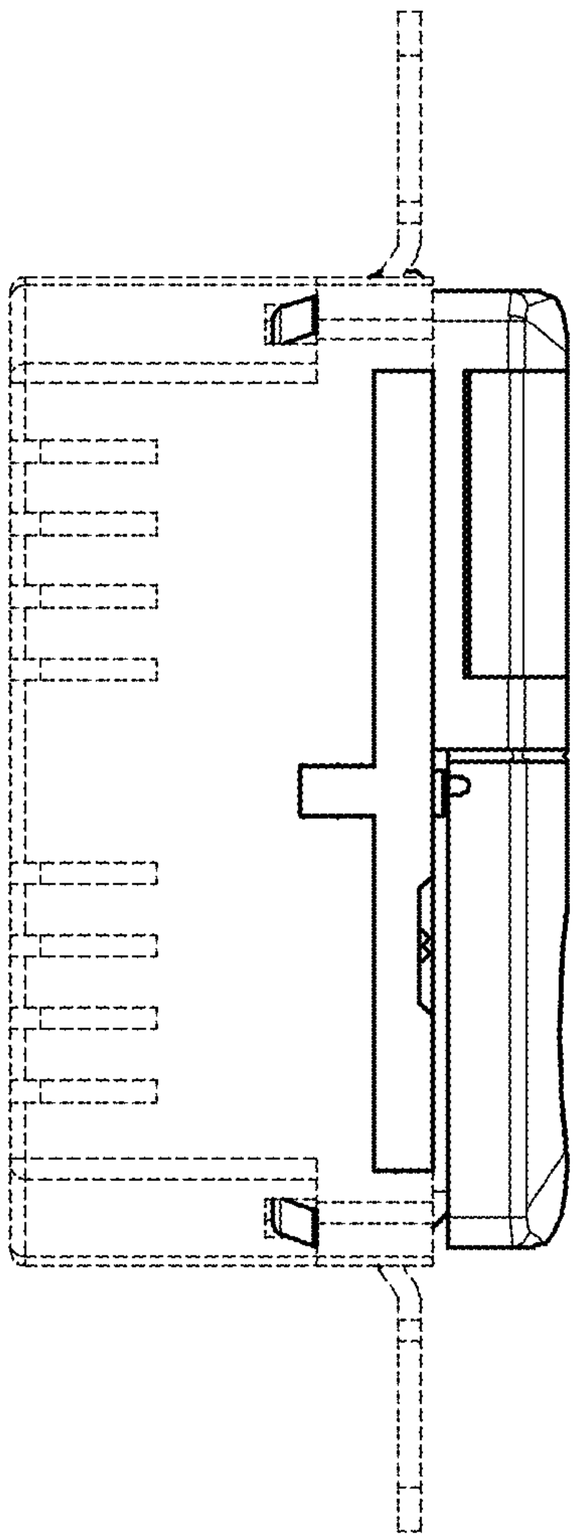
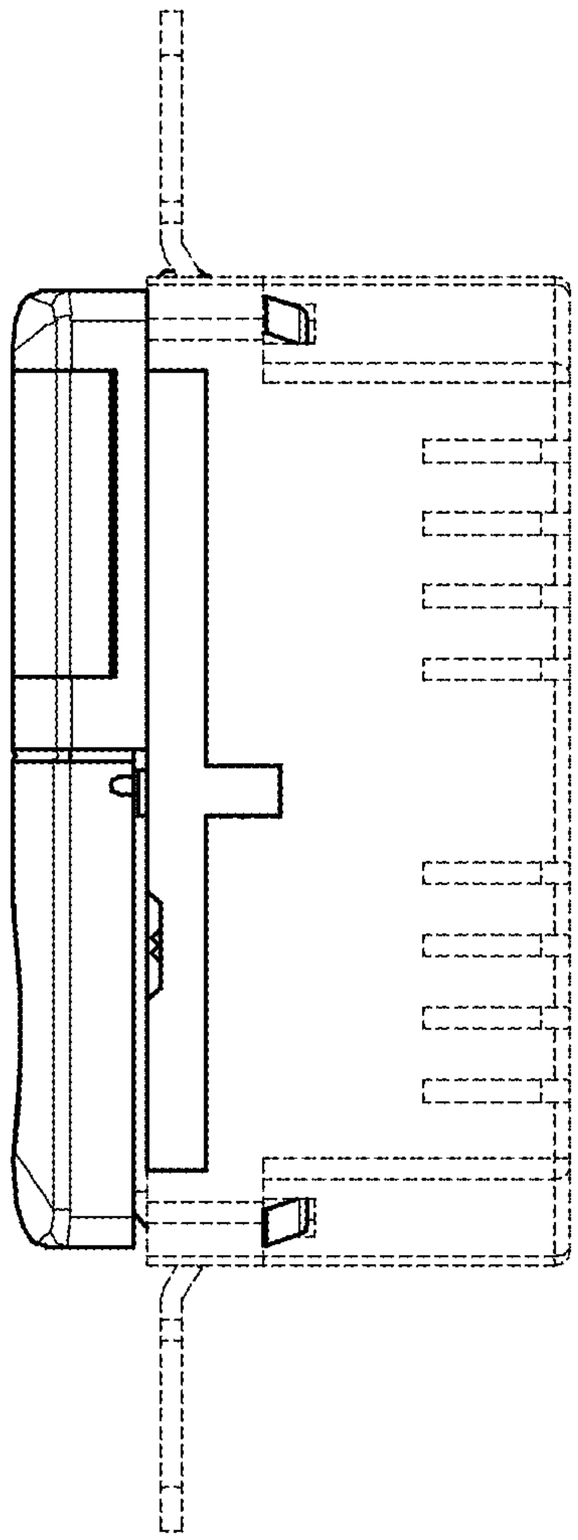


Figure 10



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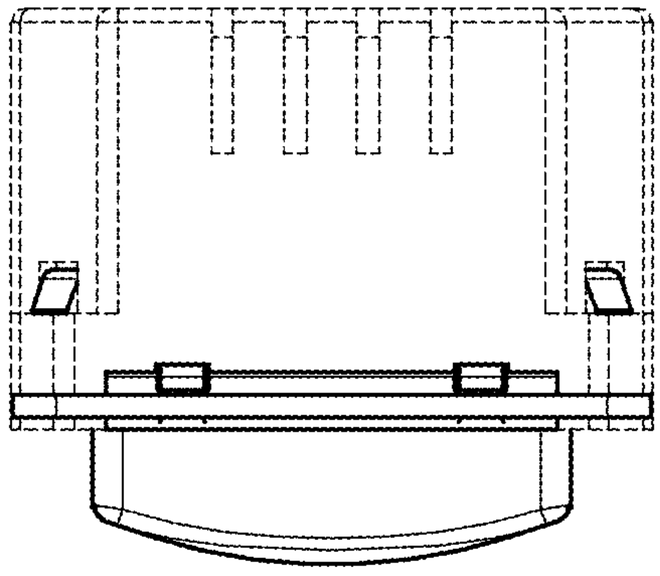


Figure 12

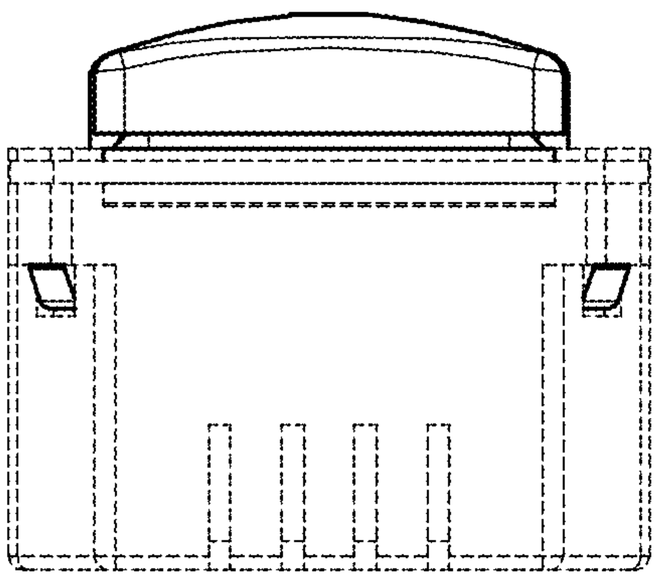


Figure 13

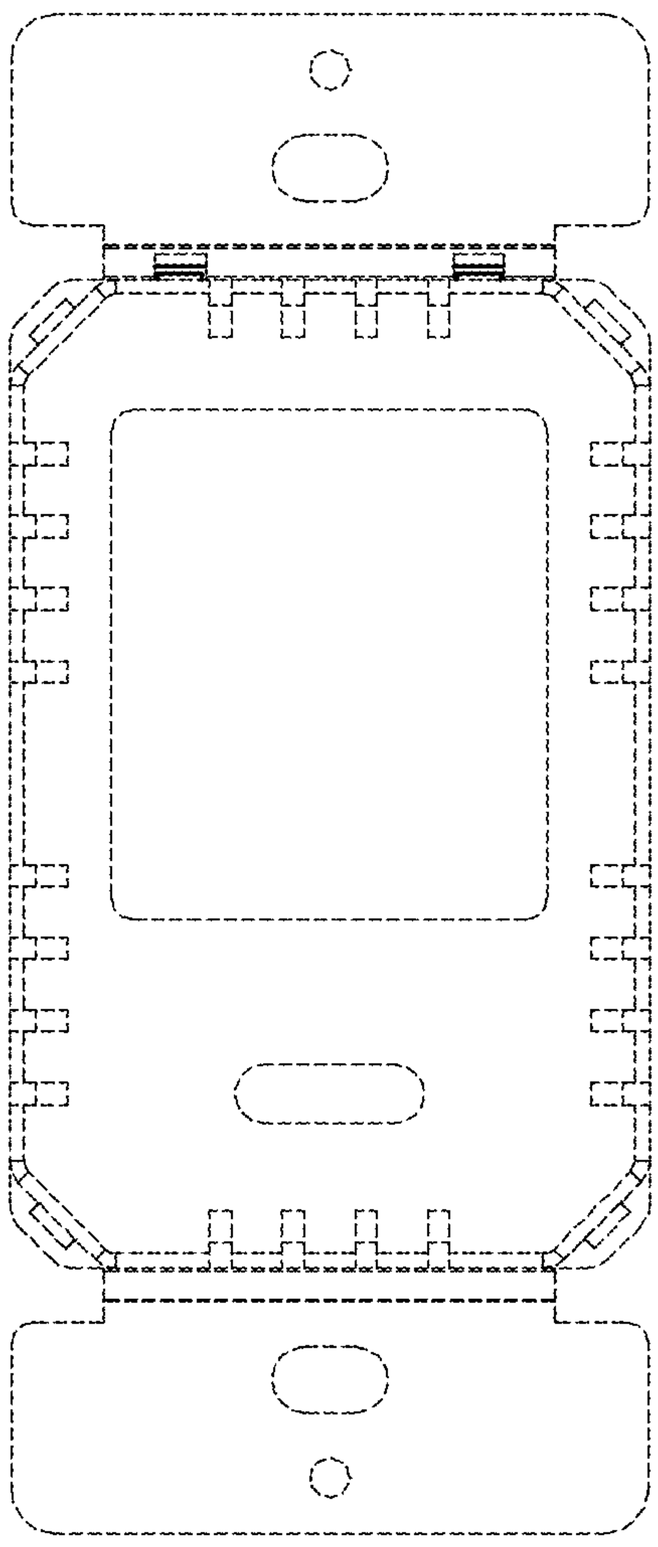


Figure 14

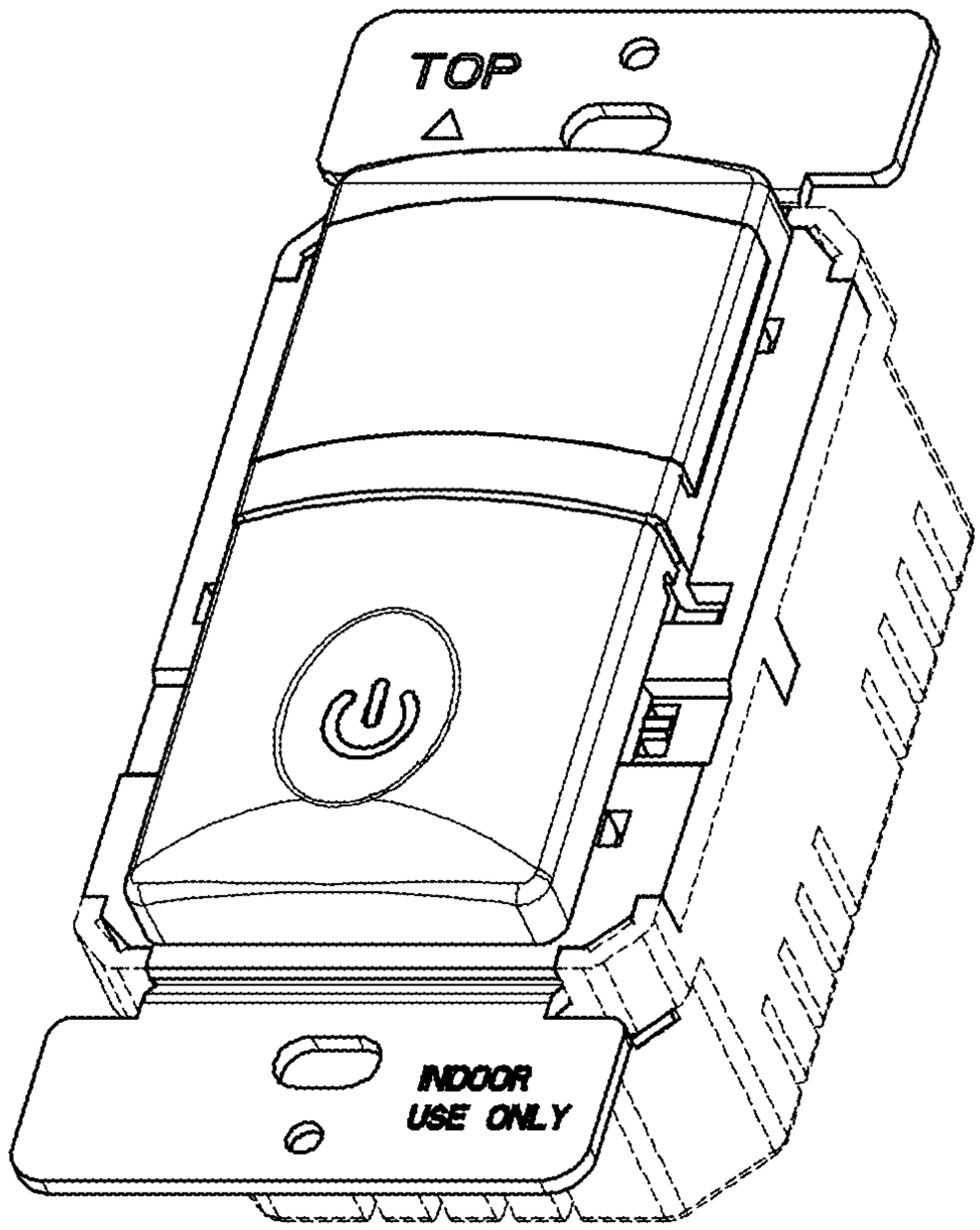


Figure 15

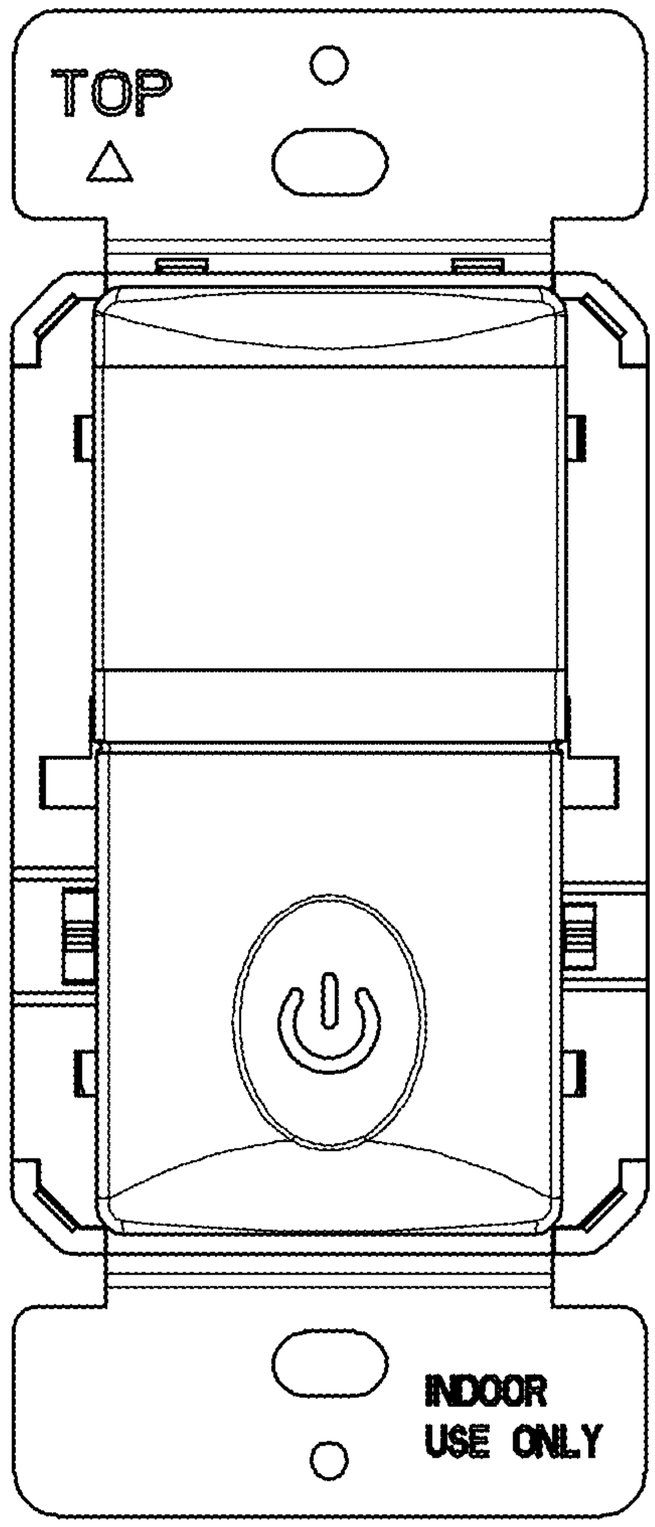


Figure 16

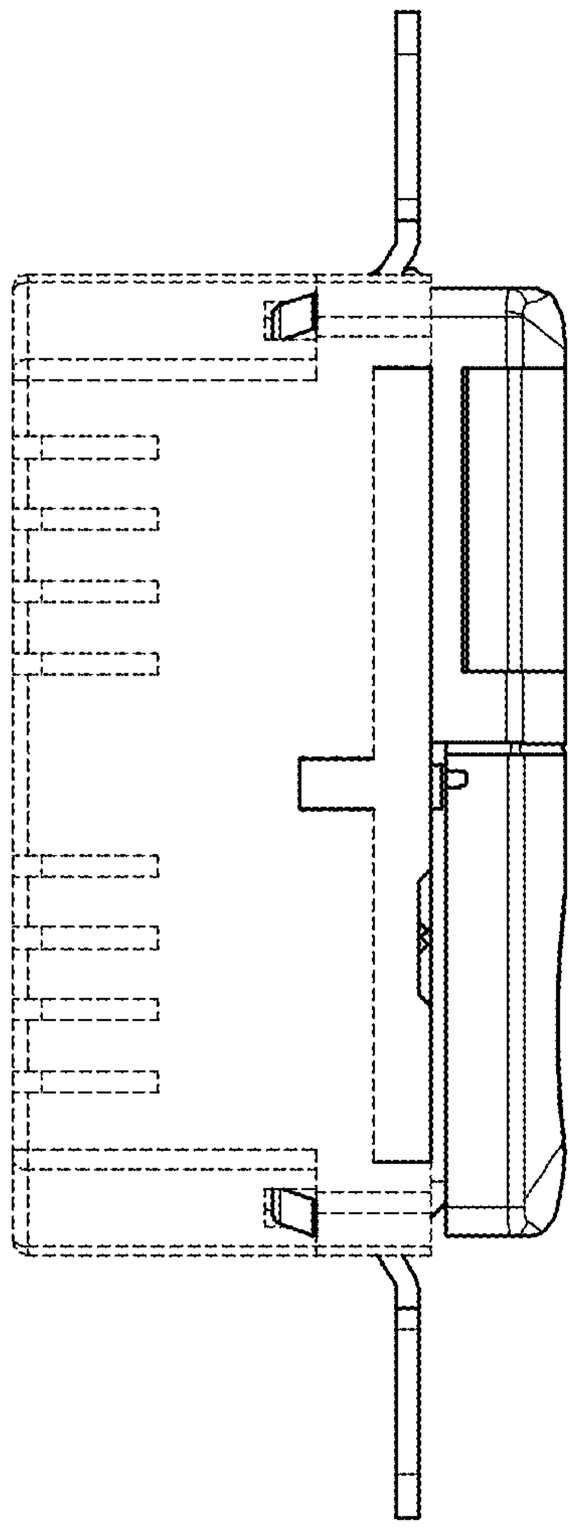


Figure 17

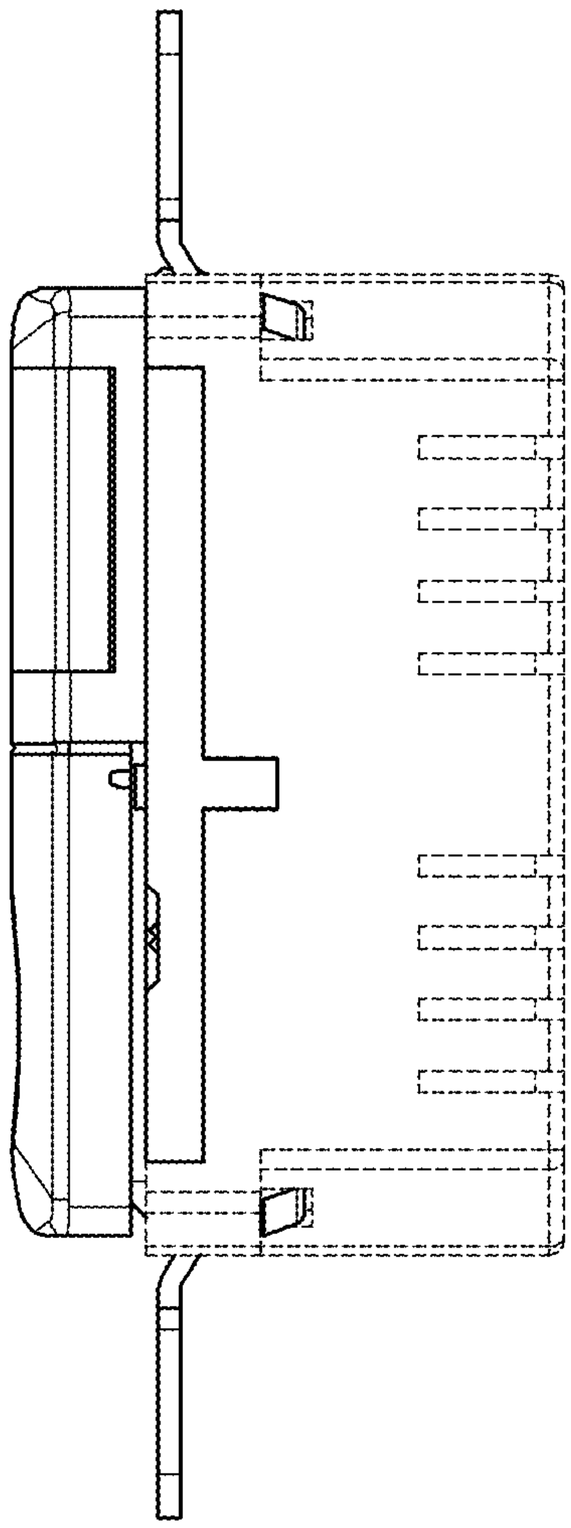


Figure 18

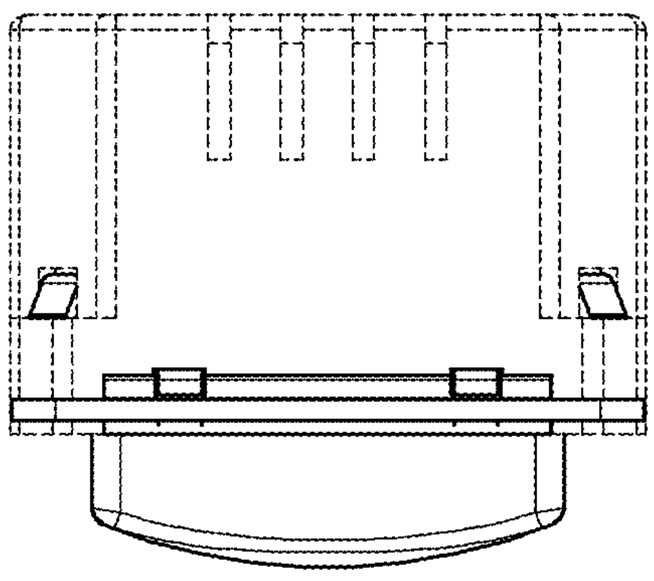
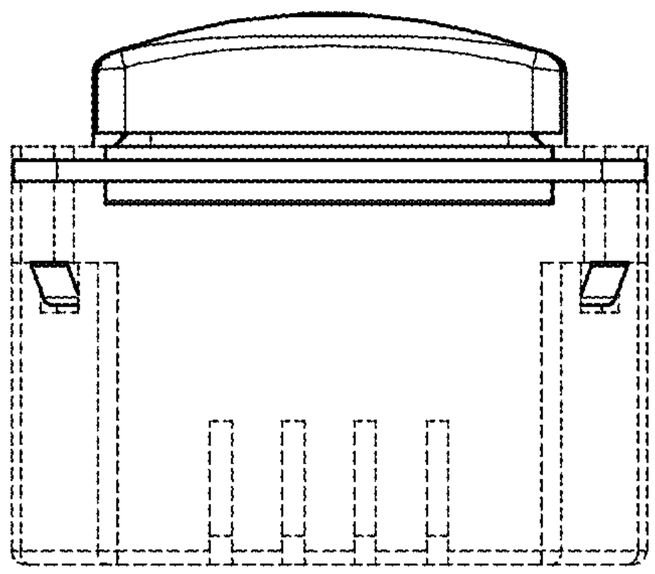


Figure 19



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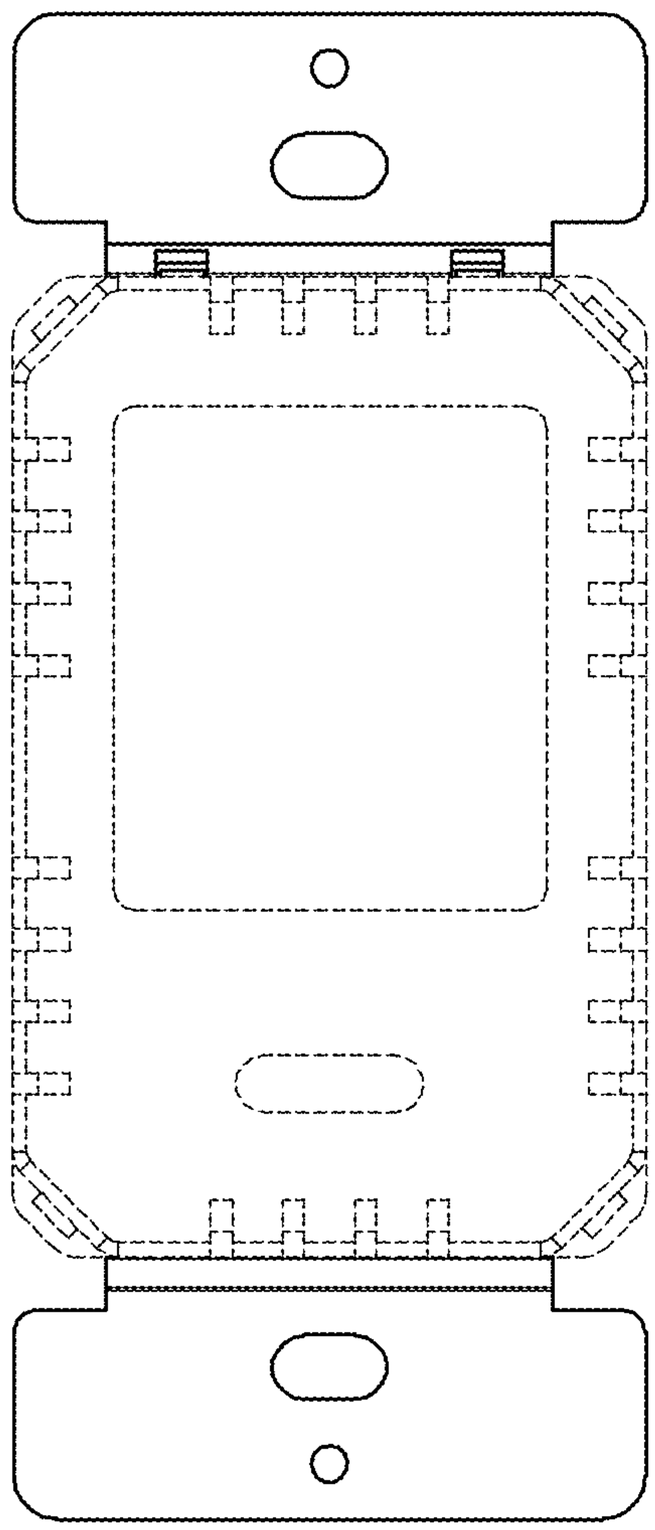

Figure 21

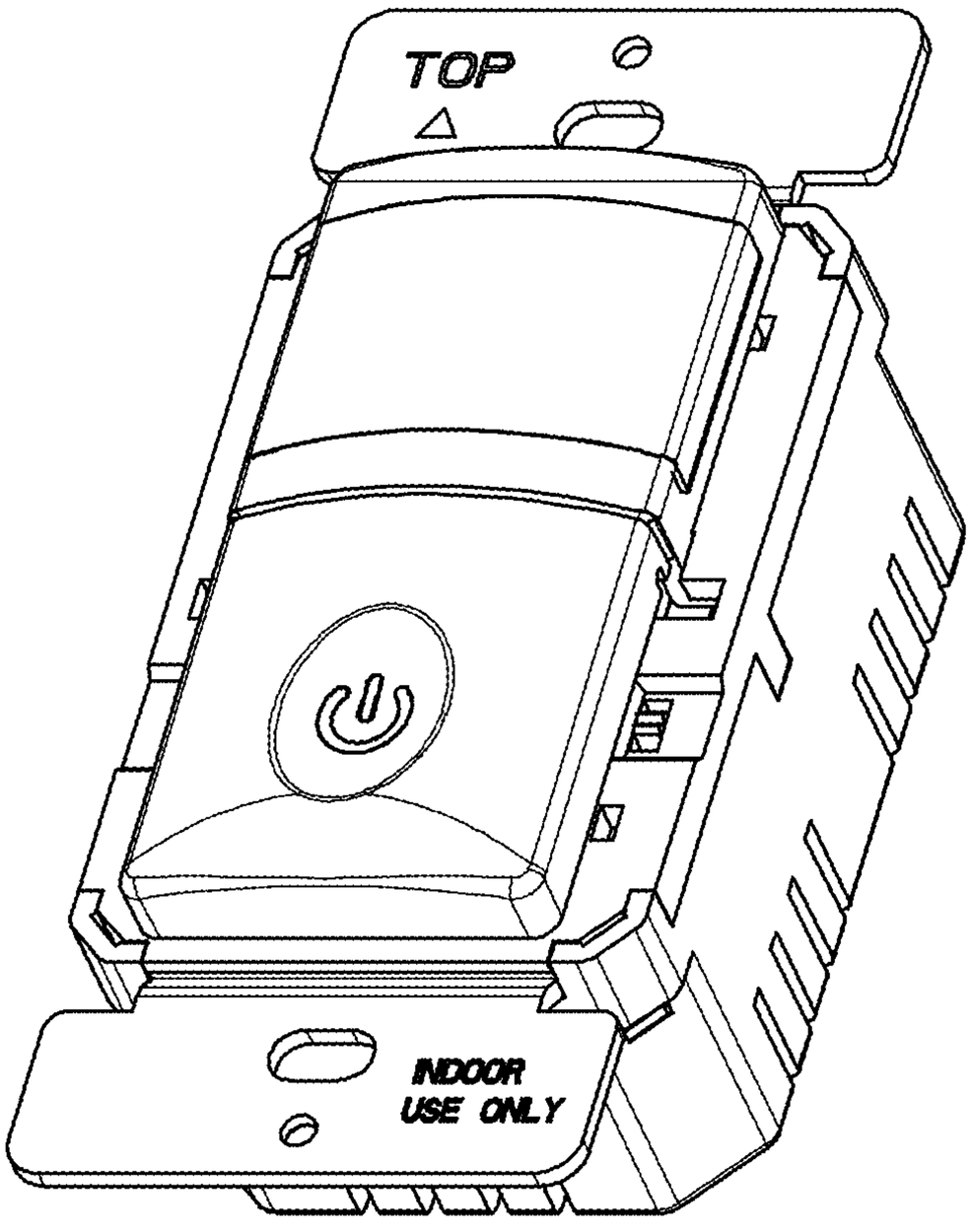

Figure 22

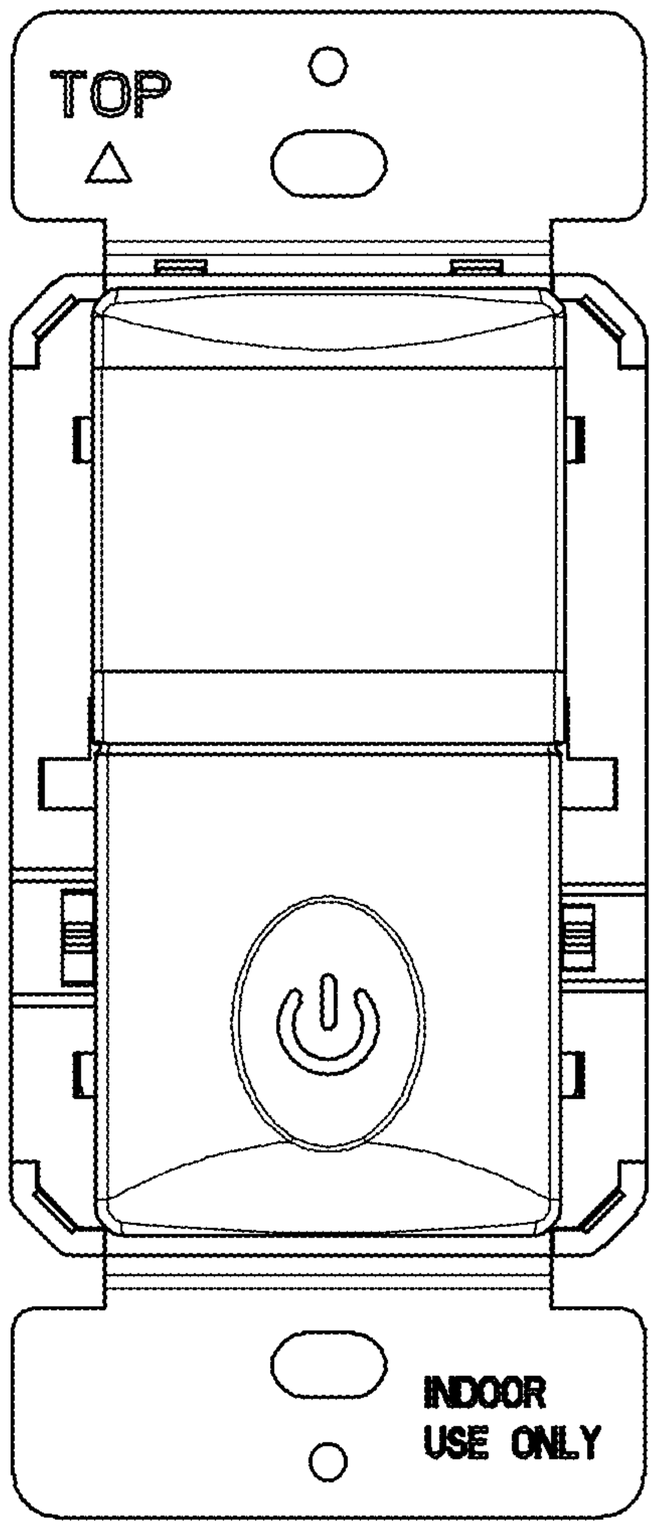

Figure 23

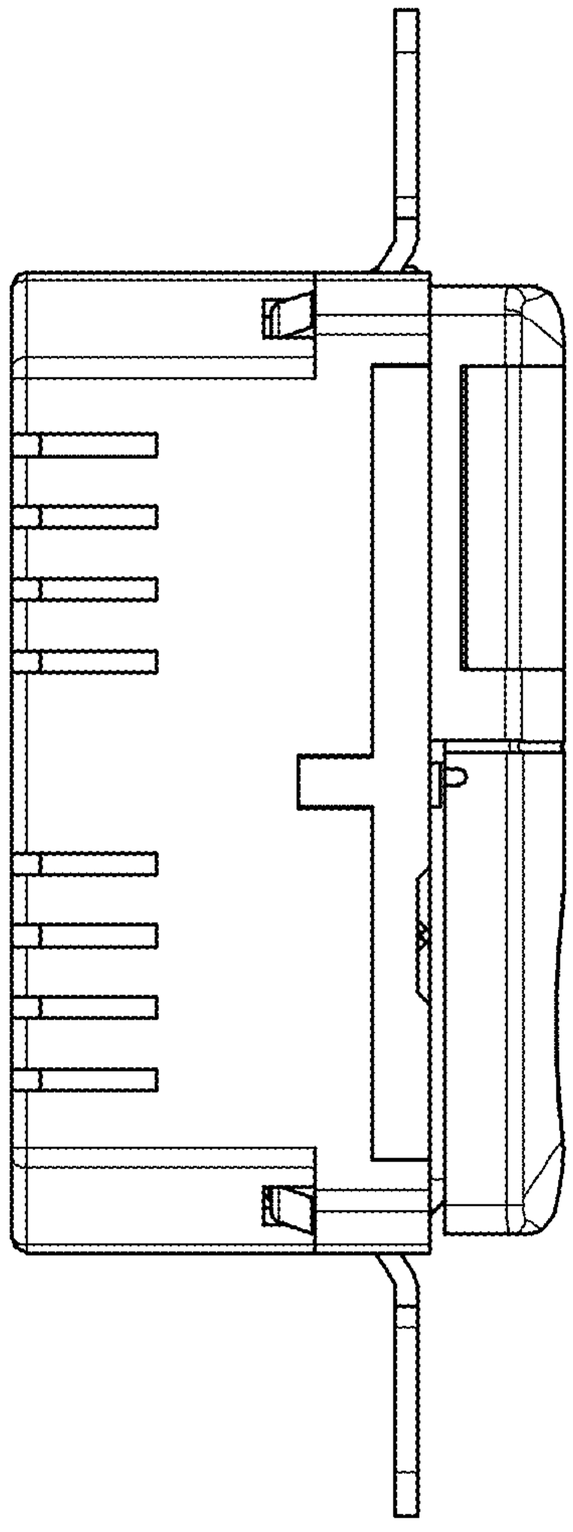

Figure 24

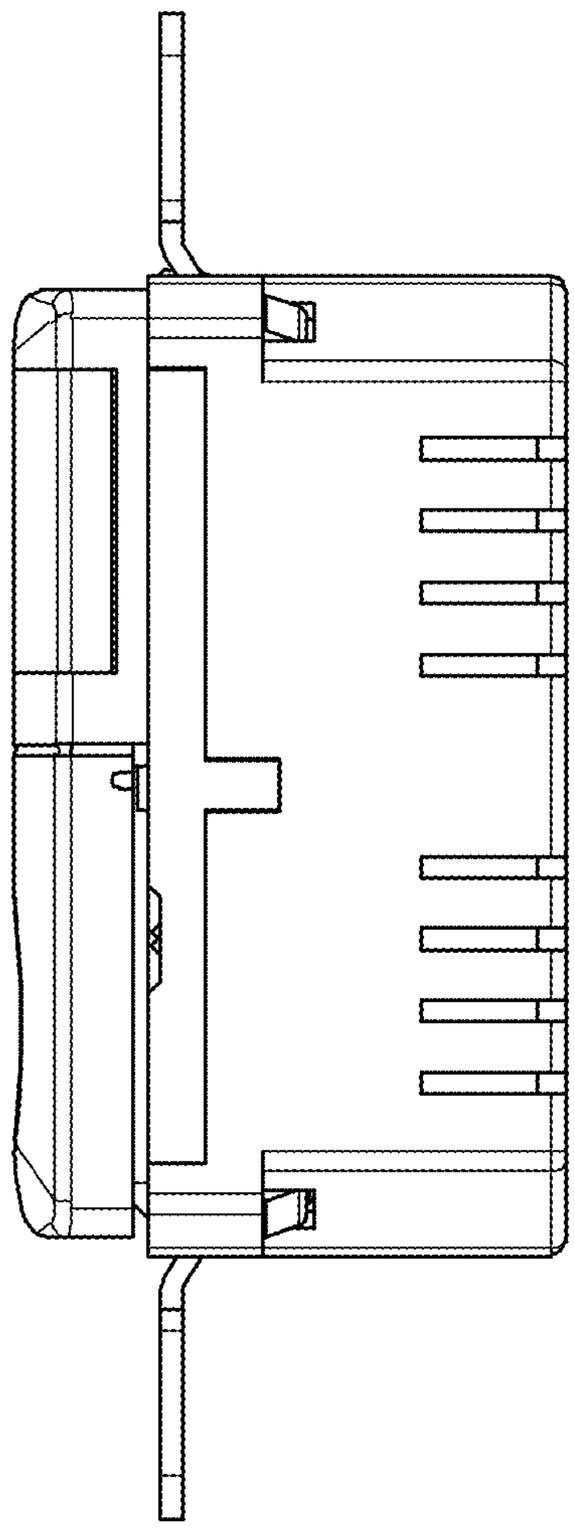

Figure 25

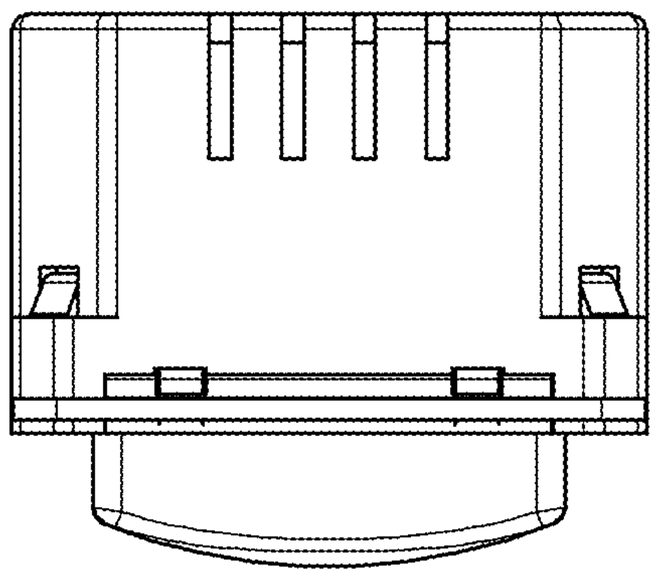

Figure 26

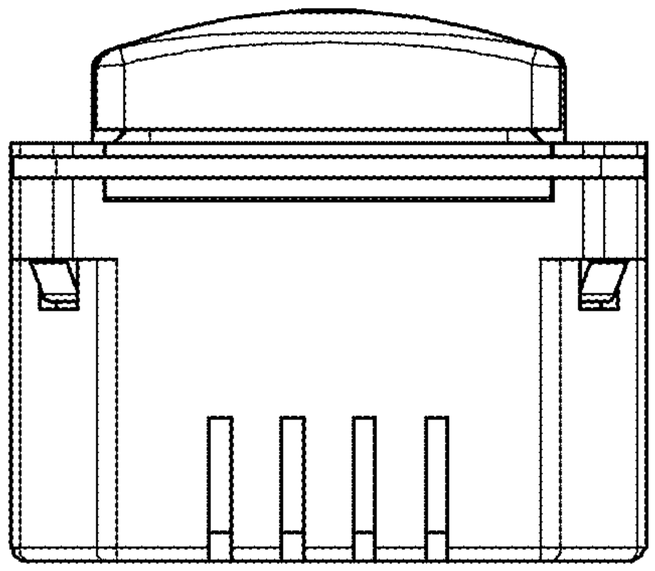

Figure 27

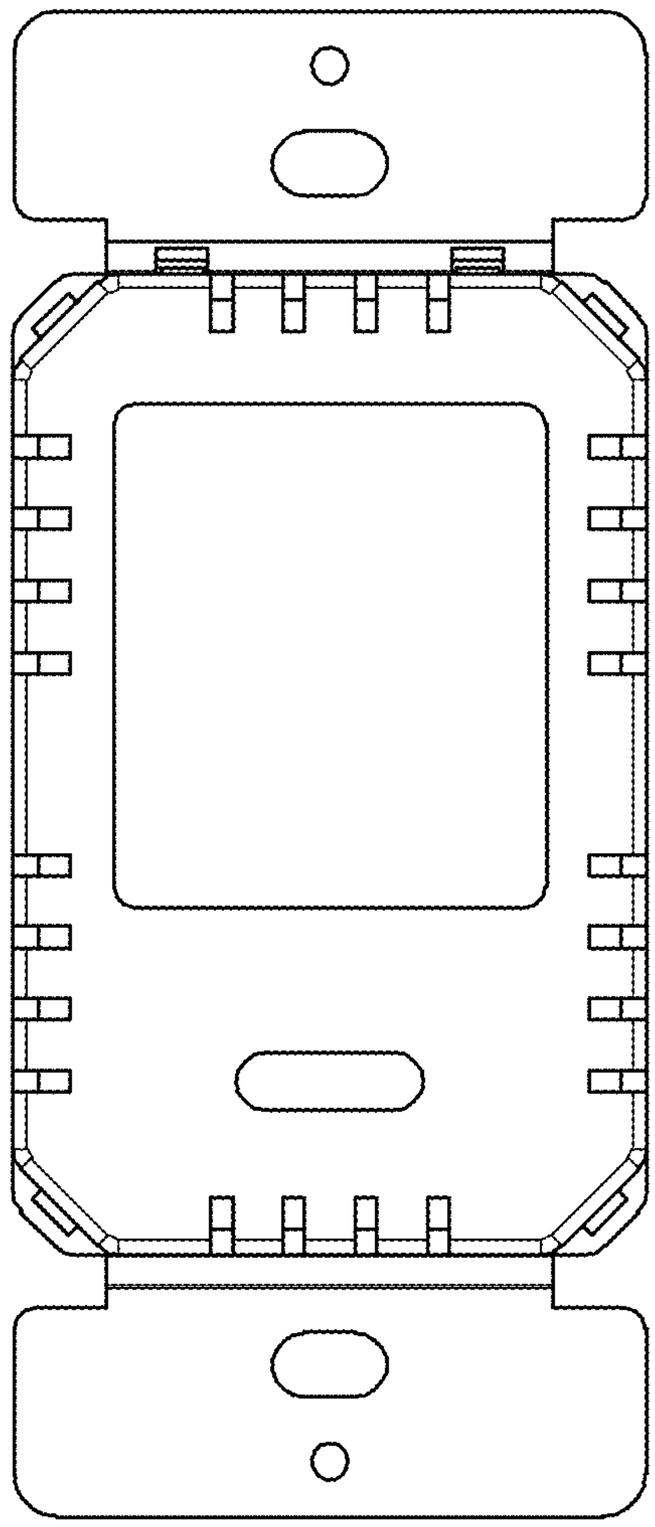

Figure 28