

### Features

- WPC Qi V1.2.4 certified, compatible with all Qi enabled devices.
- Simply integrated in any products like household electrical appliances, furnitures, ceramics, cars and public facilities.
- Simple retrofitting into furniture by drilling from above or from the below of the surface.
- Qi 5W, mini size, waterproof and fashionable appearance.
- DC4.0 Jack



### Input Characteristics

- Input Voltage & Frequency

| Item          | Minimum       | Normal | Maximum |
|---------------|---------------|--------|---------|
| Input Voltage | 4.75VDC       | 5.0VDC | 5.3VDC  |
| Frequency     | 110 ~ 205 kHz |        |         |

- Input Current  
1.65A max. @ 5.0VDC                      Full load
- Rush Current (cold)  
1.80A max. @ 5.0VDC                      Full load & Ambient temperature 25°C
- Energy Consumption  $\leq 0.625W$

### Output Characteristics

- Output Mode at the Receiving End

| TX Input Voltage | Charging Mode (RX) |
|------------------|--------------------|
|                  | Qi 5W              |
| 5.0VDC           | V                  |

### Protection Requirement

- Short Circuit Protection  
When the output of RX is short-circuited, the input power should decrease or stop supplying so that the power supply will not be damaged. And it should automatically recover when the fault is resolved.
- Over Current Protection (OCP)  
OCP Point Limited : 120%~130% auto restart  
When the output at the receiving end exceeds the OCP point, the current output should stop immediately; and restored when the fault is resolved.

### Reliability Requirements

- Reliability Test

| Test items                         | Test conditions   |
|------------------------------------|---|
| Storage at high temperature test   | +60°C, 16hours  |
| Storage at low temperature test    | -20°C, 16hours  |
| Operating at high temperature test | +40°C, 8hours   |
| Operating at low temperature test  | -20°C, 8hours   |
| High / Low temperature cycle test  | +40°C (2Hrs) → -20°C (2Hrs) → +40°C (2Hrs)<br>→ -20°C (2Hrs) continually work 24hours |

- Burn-in : 2 hours under +35°C (±5°C), nominal input voltage, nominal load.

### Environment Requirement

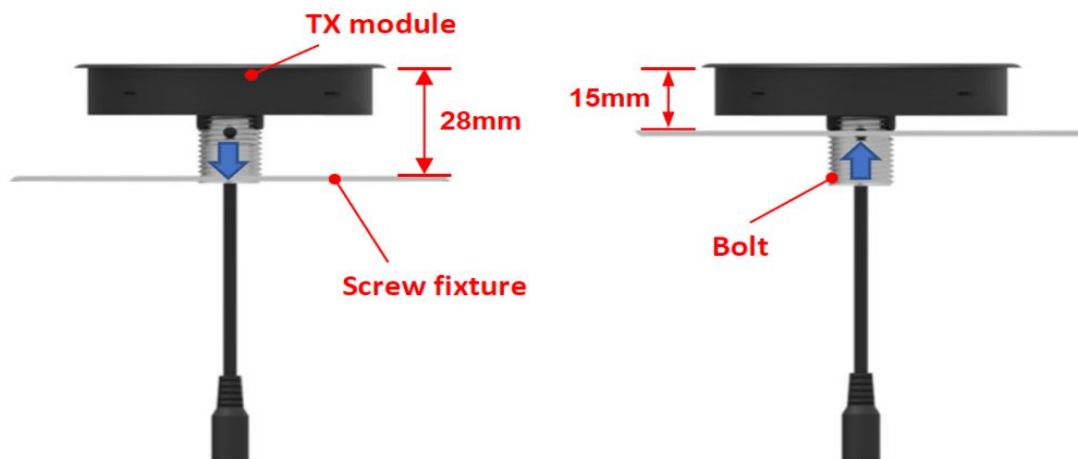
- Operating Temperature and Relative Humidity  
0°C to +40°C, 20%RH to 80%RH @ altitude shall be below 10000 feet.
- Storage Temperature and Relative Humidity  
-20°C to +60°C, 10%RH to 90%RH (non-condensing) @ altitude shall be below 30000 feet.

### Execution Standards (Compatible with these specifications)

- EMC Standards

|         |         |            |
|---------|---------|------------|
| EN55032 | EN55024 | FCC-Part15 |
|---------|---------|------------|

### Dimension & Installation Method



#### Note:

- (1) Screw fixture design enable you to secure the TX module to a range of work top thickness (15mm~28mm)
- (2) Fits the TX module into the hole in work surface from top.
- (3) Fits the screw fixture to a range of desk thickness and fix it with the screws.





## Others

- Size :  $\Phi 68 * 28\text{mm}$
- Weight :  $75 \pm 5\text{g}$
- Please use the correct rated AC adapter to ensure the normal function.