# TIS

## TIS MARS PANEL
### Thermostatic Switch with Push Buttons

Data Sheet Rev 3.2

Model: MRS-AC10G

## OVERVIEW

This product is a wall switch with an OLED and push buttons designed for temperature, lights, and motorized curtain control. It comes with various casing colors and customizable backlit for a convenient combination with interior schemes.

## KEY BENEFITS

+ Compatibility with other TIS solutions
+ Internal thermostat for accurate AC setting
+ Favorable for classic technology lovers
+ Applicable in home, hotel & office rooms

## KEY FEATURES

★ 1" OLED for temperature display
★ Delicate push buttons with backlit
★ Programmable for scenes & presets
★ Controllable via TIS App& remote control

BARCODE (UPC-A)

6  58921 79723  5

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| | PRODUCT SPECIFICATIONS | |
|---|---|---|
| **Input** | Temp sensor<br>IR receiver<br>Using Panel Addition | Resistive Temp Sensor<br>TIS Infrared code receiver<br>2-3 Digital Inputs |
| **Output** | Using Panel Addition 3R<br>Using Panel Addition 3DL-12V<br>Using Panel Addition 2DL-IRE | 3 Relay Output 3A/5A<br>12V DC 50mA Output<br>IR Emitter |
| **TIS Bus** | Number of devices on 1 line<br>Bus voltage<br>Current consumption | Max. 64<br>12-32 V DC<br><40 mA / 24 V DC |
| **Protection** | | Reverse Polarity Protection<br>ESD Protection |
| **Reaction time** | | approx. 20ms |
| **Mounting** | Wall mount | by 2 screws on the back box (UK, EU, US) |
| **Connection terminal** | Data | 2 male connector pins to fit in panel addition |
| **Operation** | Display<br>12 Buttons<br>Indicator LED<br>Backlight<br>TIS bus<br>Upgrading | 1 '' OLED Screen<br>For controlling lights, Air condition scene, etc…<br>10 Blue and Red LED + 1 Green LED<br>5 pairs of White neon LED<br>TIS Protocol messages and commands<br>1 X mini USB for upgrading |
| **Functions** | 1 Press<br>Long Press<br>Double click<br>IR receiver | ON / OFF / Scene<br>Dim or ramp the lights<br>Extra Scene<br>Music, scene, lights control |
| **Weight** | Without packaging | 150g |
| **Dimensions** | Width × length × height | 94mm × 129mm × 15mm |
| **Housing** | Materials<br>Casing color<br><br>Internal Parts color<br>IP rating | Fireproof PC<br>Black, Titanium, Silver, White, Champaign, Coal,<br>Bronze or Custom color<br>Black & White<br>IP 30 |
| **Temperature range** | Operation<br>Storage<br>Transport | -10…60°C<br>-20…50°C<br>-25…75°C |
| **Air humidity** | | <85% non-condensing |