

MTronic HVAC Touch Panel

### POWER SPECIFICATIONS

Input Power	230V ~, 50/60 Hz
Standby Power	< 2.5 Watts
Max Load	2A @ 230 VAC (Resistive Load) 100 W @ 230 VAC (LED Load)

### CONNECTIVITY SPECIFICATIONS

Interface	Short-Range Mesh Technology 5.0 , IEEE 802.15.1
Control Method	Touch and Wireless
Dependency	MTronic MHub, MTronic HVAC Controller, MTronic Temperature Sensor
Compatibility	Google Home, Amazon Alexa Assistant

### TEMPERATURE AND HUMIDITY SPECIFICATIONS

Working Temperature	-25°C ~ +50°C
Humidity	85%

### PHYSICAL SPECIFICATIONS

Item Type	LCD Panel
Mounting Type	Flush-Mount
Available Color(s)	Grey and White
Material	Plastic and Glass
Dimensions	86 x 86 x 36 mm

### RADIO SPECIFICATIONS

Wireless Communication	Short-Range Mesh Technology
Short-Range Mesh Technology Frequency	2.402-2.480 GHz

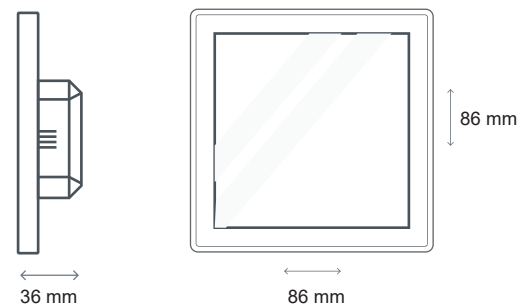
### DESCRIPTION

MTronic HVAC Touch Panel is an intuitive LCD device having an IPS display. It is dependent on the HVAC Controller and the Temperature Sensor to help control your HVAC system.

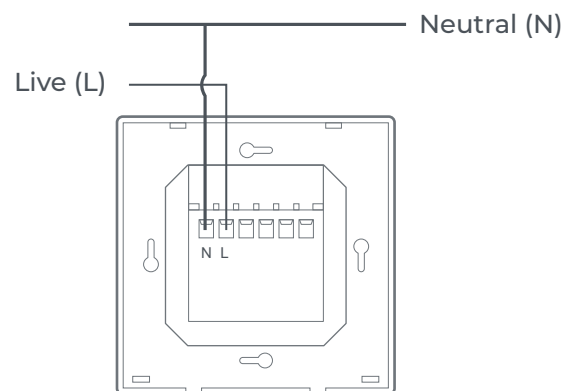
### WORKS WITH

- MTronic Web Portal
- MTronic Android Application
- MTronic iOS Application

### TECHNICAL DRAWING IN MM



### WIRING DIAGRAM



### ANTENNA PROPERTIES/ ANTENNA GAINS

Transmitter Power	+9dBm
Antenna Gain	3.96 dBi



## IN THE BOX

1. MTronic HVAC Touch Panel x 1
2. MTronic Temperature Sensor x 1
3. MTronic HVAC Controller x 1
4. Sticking Tape x 1
5. Screws x 2
6. Quick Start Guide x 1
7. Warranty Card x 1

## SAFETY INSTRUCTIONS

▲ Danger!  
Note about hazard

⚠ Warning!  
Note about potential hazard

### Dos

- ▲ 1. **Tighten or loosen the screws when no Live wire is connected.**
- ▲ 2. **Since the installation requires working with high voltages, it MUST be installed and uninstalled by an expert electrician**
- ⚠ 3. Use the device only under 2000m altitudes.
- ⚠ 4. Ensure there are appropriate fuse/circuit breakers installed for the space and turn them off before installation. Turn them on only after the installation is done.
5. Operate the device only within indoor environments to keep it sheltered from all weather conditions.
6. Wear insulation gloves, use wire nuts/electrical insulation tape to insulate the wire joints or stripped parts of the wire, and trim the extra wire to avoid electrocution and short-circuiting.
7. Use a wire gauge to select the wire size as required. Use 26~14 AWG solid or stranded wire preferably.
8. Make sure the panel has no gap with the wall that allows its removal with bare hands. Also ensure that the screw terminals and wires in it are correctly seated.
9. Use a slotted screwdriver that fits well in the casing lock, or it will damage the lock.
10. After installation, clean the glass top of the device well such that it has no grease, moisture, or covering on it.
11. Ensure all three devices are correctly powered to establish connection among them.

### Don'ts

- ▲ 1. **The device must not be used in an explosive atmosphere.**
- ⚠ 2. Do not open the device by yourself nor use it if any of its parts is broken.
- ⚠ 3. Do not interchangeably use the Neutral and Live wires.
4. Do not allow children to play with the device or its packaging as its plastic film and small components may pose a choking hazard to them.
5. Do not place the device in an exposed setting after connecting the load.
6. Do not dispose-off the device with other household garbage. It should be recycled according to the National regulations.
7. To avoid short-circuiting, do not peel off the plastic from the wire more than required.
8. Do not use a dripping wet cloth to clean the device.
9. Do not install the device in damp rooms or wet areas.
10. Do not leave the space between panel and wall as the water may seep into the panel only from the wall.
11. Do not try to connect HVAC Touch Panel with incompatible HVAC system types.

## FAULT CORRECTION AND MAINTENANCE

### Warning

Opening the device by yourself nullifies the warranty. Generally, the device is maintenance-free and would not require to be opened.