

IOT Wall-mounted Panels Catalog

2025/9/9

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC48480C040_06WTC	4.0	IPS	480*480	250nit	Capacitive	40Pin_0.5mm	4.5-5.5V



Features:

- Based on T5L0, running DGUS II system.
- 4 inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel, beautiful product and reliable structure.
- Special COF screen for temperature controller.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC48480C040_06WTCZ01	4.0	IPS	480*480	200nit	Capacitive	40Pin_0.5mm	4.5-5.5V



Features:

- Based on T5L0, running DGUS II system.
- 4 inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- Air bonded capacitive touch panel, beautiful product and reliable structure.
- Special COF screen for temperature controller.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC48480C040_06WTCZ03	4.0	IPS	480*480	250nit	Capacitive	40Pin_0.5mm	4.5-5.5V



Features:

- Based on T5L0, running DGUS II system.
- 4 inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel, beautiful product and reliable structure.
- Special COF screen for temperature controller.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC48480C040_07WN	4.0	IPS	480*480	300nit	Without touch	40Pin_0.5mm	4.5-5.5V



Features:

- Based on T5L0, running DGUS II system.
- 4 inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- Special COF screen for temperature controller.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC48480C040_08WN	4.0	IPS	480*480	250nit	Without touch	40Pin_0.5mm	4.5-5.5V



Features:

- Powered by T5F0 ASIC, running DGUS II HMI platform.
- 4 inch, 480*480 resolution, IPS-TFT-LCD.
- 40-pin FPC connector with UART2, SD card, CAN and other interfaces.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC48480C040_08WTC	4.0	IPS	480*480	250nit	Capacitive	40Pin_0.5mm	4.5-5.5V



Features:

- Powered by T5F0 ASIC, running DGUS II HMI platform.
- 4 inch, 480*480 resolution, IPS-TFT-LCD.
- Powered by TPS04, reliable OCA bonded capacitive touch panel.
- 40-pin FPC connector with UART2, SD card, CAN and other interfaces

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC48480C040_08WTCZ03	4.0	IPS	480*480	250nit	Capacitive	40Pin_0.5mm	4.5-5.5V



Features:

- Powered by T5F0 ASIC, running DGUS II HMI platform.
- 4 inch, 480*480 resolution, IPS-TFT-LCD.
- Powered by TPS04, reliable OCA bonded capacitive touch panel.
- COF screen dedicated for thermostats, compatible with 4-inch ultra-slim housing.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TR028C12U00	2.8	TN	320*240	300nit	Resistive	4Pin_2.54mm, RS485*1	6-36V



Features:

- Powered by T5 ASIC, running DGUS II HMI platform.
- 2.8 inch, 320*240 resolution, TN LCD.
- Resistive touch panel, built-in RTC.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC035C22U00/W00	3.5	TN	480*320	250nit	Capacitive	4Pin_2.54mm, RS485*1	5-15V



Features:

- Powered by T5 ASIC, running DGUS II HMI platform.
- 3.5 inch, 480*320 resolution, TN LCD.
- Capacitive touch panel, built-in RTC.
- W00: Built-in DWIN WIFI-10 module.

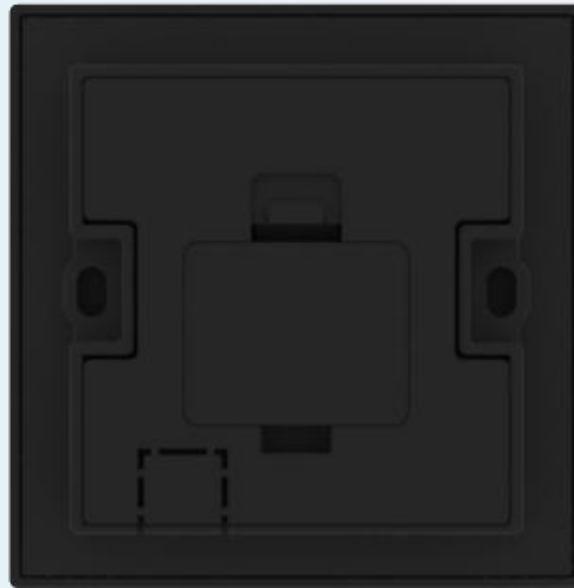
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C12U00/W00	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L1, running DGUS II system, wired controller.
- 4.0-inch, 480*480 pixels resolution, 16.7M colors, IPS-TFT-LCD, wide viewing angle.
- With speaker.
- W00: Built-in DWIN WIFI-10 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C17U00/W00	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L0, running DGUS II system, ultra-thin wired controller.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker and RTC.
- With conformal coating.
- U00: Support expansion of infrared reception, temperature and humidity real-time display, proximity sensing function, and offline voice.
- W00: Built-in DWIN WIFI-10 module. Support infrared reception, temperature and humidity real-time display, proximity sensing function, expandable offline voice, WIFI signal enhancement.

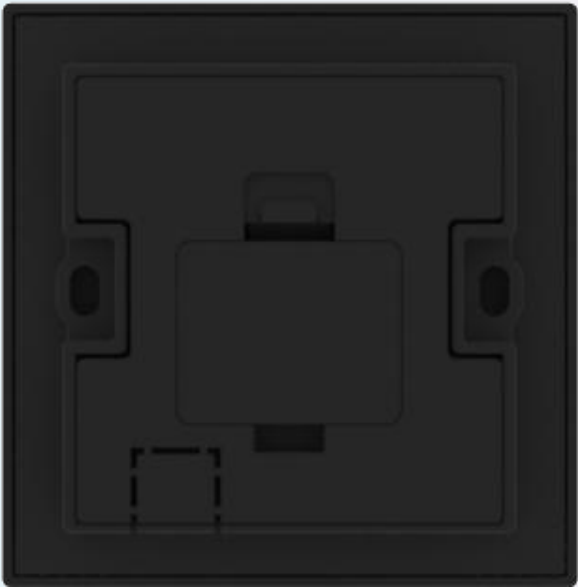
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
White_TC040C17U00	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L0, running DGUS II system, ultra-thin wired controller.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker and RTC.
- With conformal coating.
- White enclosure.

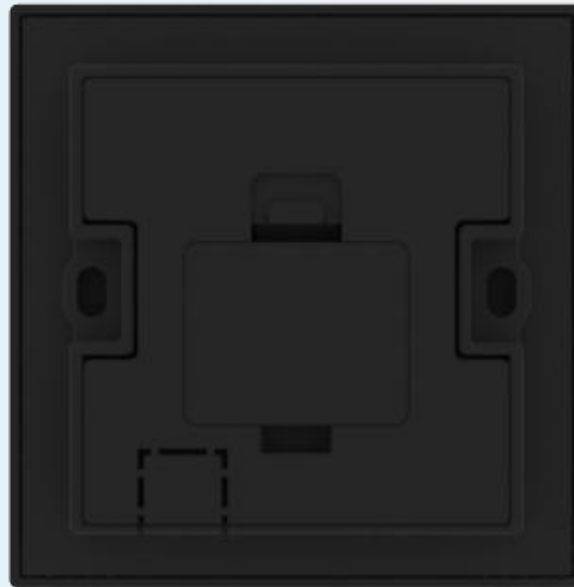
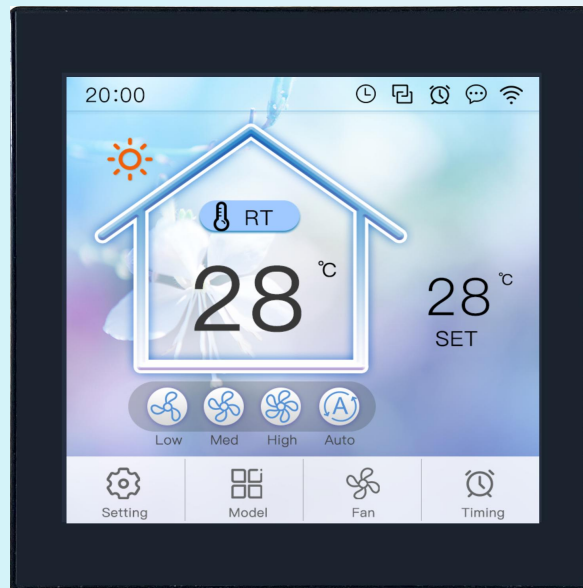
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C17W00Z01	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L0, running DGUS II system, ultra-thin wired controller.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker, RTC and Tuya WBR3 module.
- With conformal coating.
- Support infrared reception, temperature and humidity real-time display, proximity sensing function, expandable offline voice, WIFI signal enhancement.

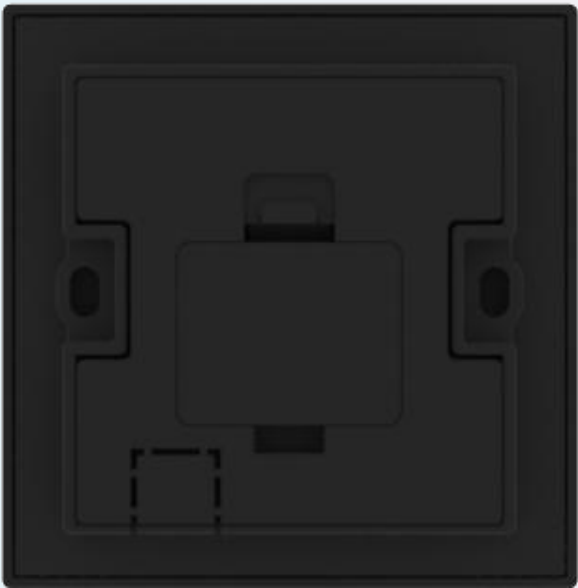
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C17W00Z11	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L0, running DGUS II system, ultra-thin wired controller.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker, RTC and Tuya WBR3 module.
- With conformal coating.
- Support temperature measurement using NTC and WIFI signal enhancement.

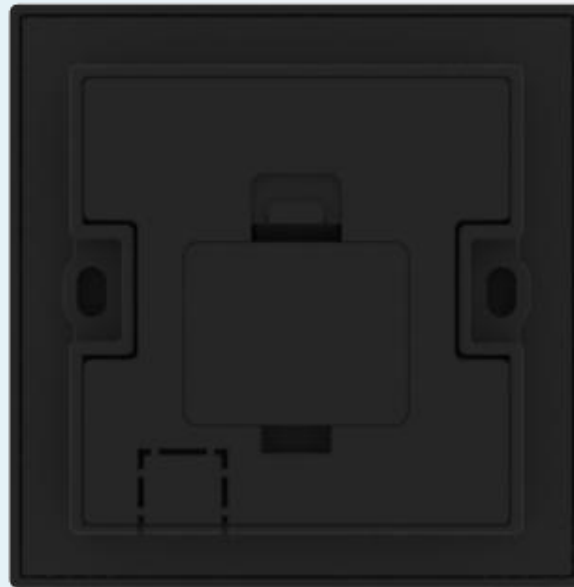
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C17W00Z02	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L0, running DGUS II system, ultra-thin wire controller.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel with ILITEK touch IC, more anti-interference.
- With speaker, RTC and DWIN WIFI-10 module.
- With conformal coating.
- Support infrared reception, temperature and humidity real-time display, proximity sensing function, expandable offline voice, WIFI signal enhancement.

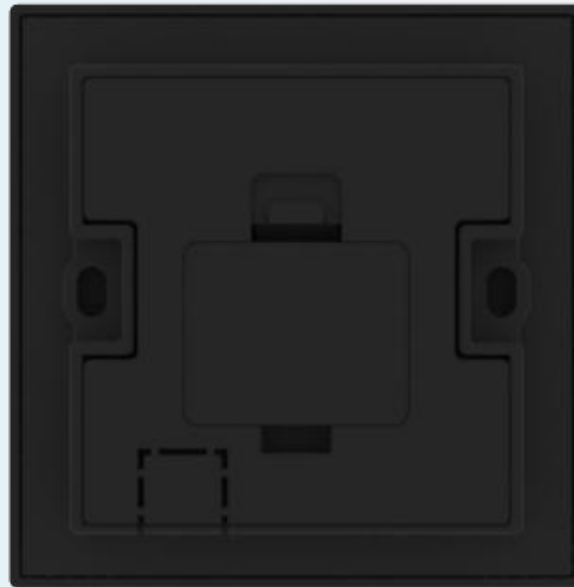
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C17W00LXY	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L0, running DGUS II system, ultra-thin wire controller.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker, RTC and DWIN WIFI-10 module.
- With conformal coating.
- Support offline voice, temperature measurement with NTC, infrared reception, temperature and humidity real-time display, proximity sensing function, and expandable WIFI signal enhancement.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C17G00	4.0	IPS	480*480	250nit	Capacitive	4Pin_2.0mm, RS485*1	9-36V



Features:

- Based on T5L0, running DGUS II system, ultra-thin wired controller.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker, RTC and 4G module.
- With conformal coating.
- Support temperature measurement using NTC, temperature and humidity real-time display.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC041C12U00/W00	4.1	IPS	720*720	300nit	Capacitive	4Pin_2.0mm, RS485*1	6.5-36.5V



Features:

- Based on T5L1, running DGUS II system.
- 4.1 inch, 720*720 pixels resolution, 16.7 M colors, IPS-TFT-LCD, wide viewing angle.
- In-cell OCA bonded capacitive touch panel, beautiful appearance and reliable structure.
- RS485 communication, 4Pin_2.0mm interface; proximity sensor, no temperature detection, wire controller.
- W00: Built-in DWIN WIFI-10 module.

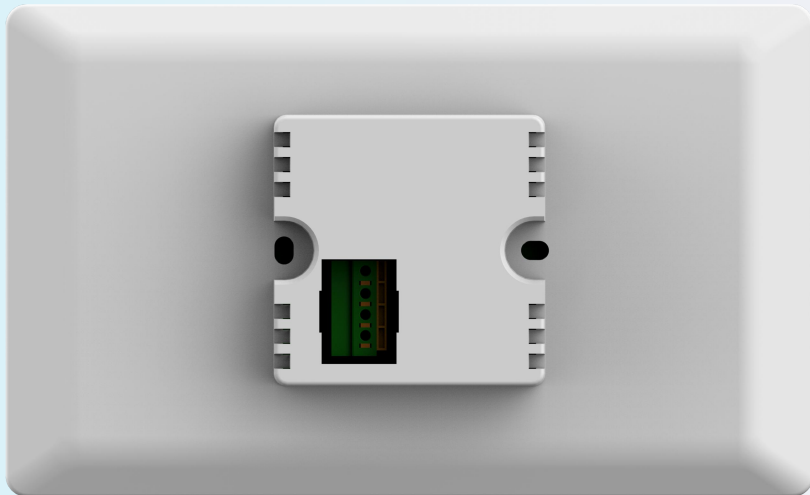
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC043C12U00/W00	4.3	TN	480*272	250nit	Capacitive	5Pin_5.08mm, RS485*1, RJ45*1	6-36V



Features:

- Based on T5, running DGUS II system.
- 4.3 inch, 480*272 pixels resolution, 64K colors, TN LCD.
- With buzzer, RTC and temperature sensor.
- W00: Built-in DWIN WIFI-10 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC070C22U00/W00	7.0	IPS	1024*600	250nit	Capacitive	4Pin_5.08mm, RS485*1	9-36V



Features:

- Based on T5L, running DGUS II system.
- 7.0-inch, 1024*600 pixels resolution, 16.7M colors, IPS-TFT-LCD, wide viewing angle.
- With speaker and RTC.
- W00: Built-in DWIN WIFI-10 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC070C42U00/W00	7.0	IPS	1024*600	50nit	Capacitive	4Pin_2.0mm, 2Pin_2.0mm, RS485*2	9-36V



Features:

- Powered by T5L2 ASIC, running DGUS II HMI platform.
- 7.0 inch, 1024*600 resolution, IPS-TFT-LCD.
- Integrated black OCA bonded capacitive touch panel.
- With speaker and RTC.
- Conformal coating.
- Support NTC temperature measurement and real-time temperature and humidity display.
- W00: Built-in Tuya WBR3 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC070C44W00	7.0	IPS	1024*600	50nit	Capacitive	4Pin_2.0mm, 2Pin_2.0mm, RS485*2	9-36V



Features:

- Powered by T5L2 ASIC, running DGUS II HMI platform.
- 7.0 inch, 1024*600 resolution, IPS-TFT-LCD.
- Integrated black OCA bonded capacitive touch panel.
- With speaker, RTC and Tuya WBR3 module.
- Conformal coating.
- Support offline voice, NTC temperature measurement, and real-time temperature and humidity display.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC070C42G00	7.0	IPS	1024*600	50nit	Capacitive	4Pin_2.0mm, 2Pin_2.0mm, RS485*2	9-36V



Features:

- Powered by T5L2 ASIC, running DGUS II HMI platform.
- 7.0 inch, 1024*600 resolution, IPS-TFT-LCD.
- Integrated black OCA bonded capacitive touch panel.
- With speaker, RTC and 4G module.
- Conformal coating.
- Support NTC temperature measurement and real-time temperature and humidity display.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC070C44G00	7.0	IPS	1024*600	50nit	Capacitive	4Pin_2.0mm, 2Pin_2.0mm, RS485*2	9-36V



Features:

- Powered by T5L2 ASIC, running DGUS II HMI platform.
- 7.0 inch, 1024*600 resolution, IPS-TFT-LCD.
- Integrated black OCA bonded capacitive touch panel.
- With speaker, RTC and 4G module.
- Conformal coating.
- Support offline voice, NTC temperature measurement, and real-time temperature and humidity display.

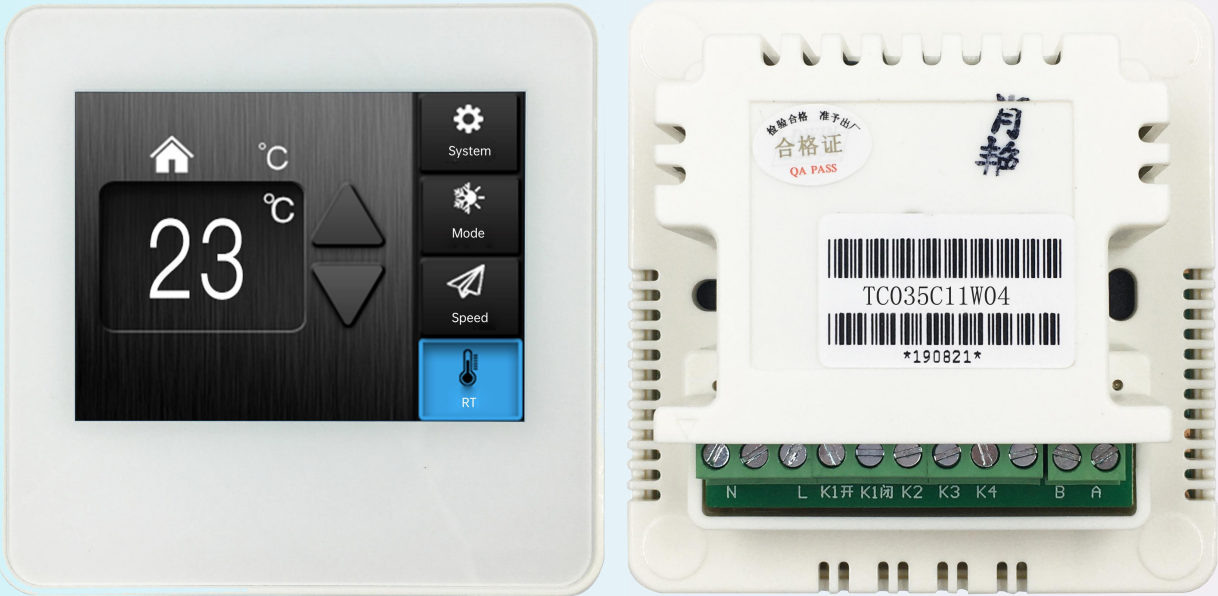
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TR028C11U04/W04	2.8	TN	320*240	300nit	Resistive	11Pin_5.08mm, 4Relay+RS485*1	220V



Features:

- Based on T5, running DGUS II system.
- 2.8 inch, 320*240 pixels resolution, 64K colors, TN LCD.
- With speaker and RTC.
- W04: Built-in DWIN WIFI-10 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC035C11U04/W04	3.5	TN	320*240	300nit	Capacitive	11Pin_5.08mm, 4Relay+RS485*1	220V



Features:

- Based on T5, running DGUS II system.
- 3.5 inch, 320*240 pixels resolution, 64K colors, TN LCD.
- With speaker, buzzer and RTC.
- W04: Built-in DWIN WIFI-10 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC035C21U04/W04	3.5	TN	480*320	250nit	Capacitive	11Pin_5.08mm, 4Relay+RS485*1	220V



Features:

- Based on T5, running DGUS II system.
- 3.5 inch, 480*320 pixels resolution, 64K colors, TN LCD.
- With speaker, temperature sensor and RTC.
- W04: Built-in DWIN WIFI-10 module.

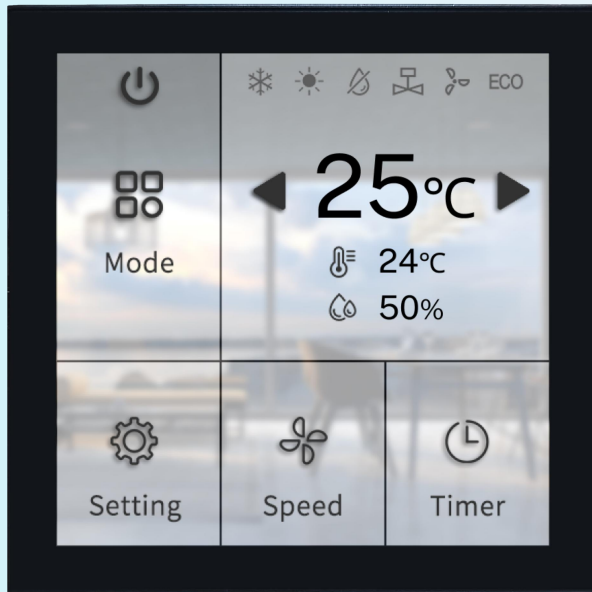
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C11U04/W04	4.0	IPS	480*480	150nit	Capacitive	11Pin_5.08mm, 4Relay+RS485*1	220V



Features:

- Based on T5L1, running DGUS II system.
- 4.0-inch, 480*480 pixels resolution, 16.7M colors, IPS-TFT-LCD, wide viewing angle.
- With speaker and temperature sensor.
- W04: Built-in DWIN WIFI-10 module.

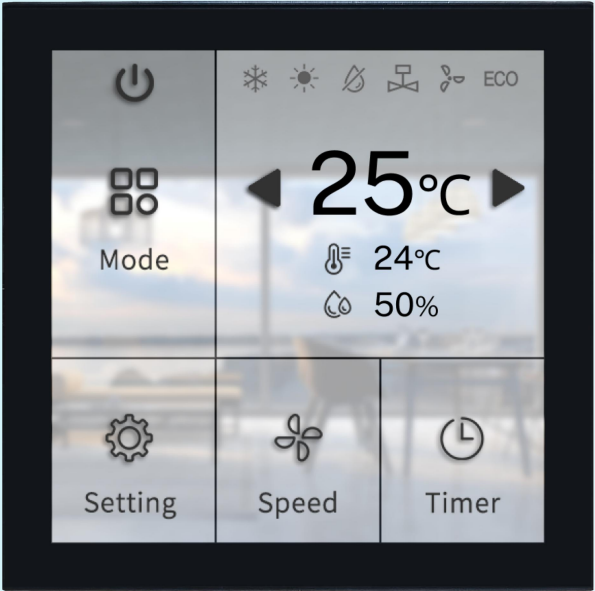
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C15U04/W04	4.0	IPS	480*480	250nit	Capacitive	2Pin_3.81mm, 4Relay+RS485*1	220V



Features:

- Based on the T5L0 ASIC CPU, running the DGUS II human-machine interaction software platform, ultra-slim thermostat.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker and RTC.
- With conformal coating.
- Support temperature measurement using NTC and support expansion of infrared reception, real-time temperature and humidity display, proximity sensing, and offline voice capabilities.
- W04: Built-in DWIN WIFI-10 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C15W04Z01	4.0	IPS	480*480	250nit	Capacitive	2Pin_3.81mm, 4Relay+RS485*1	220V



Features:

- Based on the T5L0 ASIC CPU, running the DGUS II human-machine interaction software platform, ultra-slim thermostat.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker, RTC and Tuya WBR3 module.
- With conformal coating.
- Support temperature measurement using NTC, infrared reception, temperature and humidity real-time display, proximity sensing function, expandable offline voice, WIFI signal enhancement.

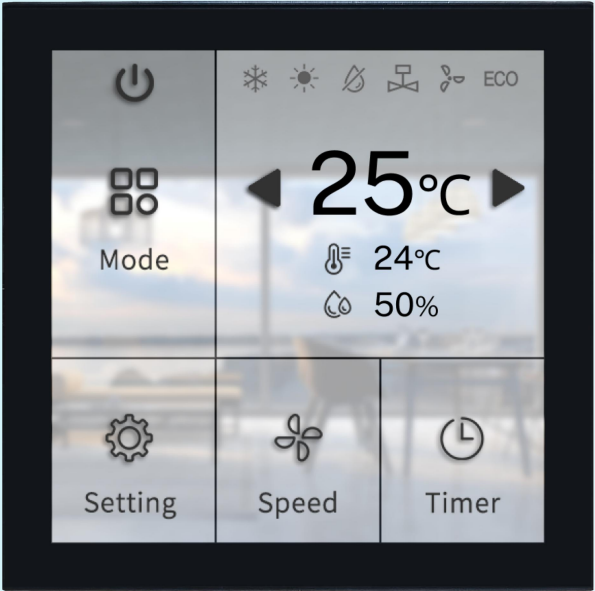
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C15W04Z02	4.0	IPS	480*480	250nit	Capacitive	2Pin_3.81mm, 4Relay+RS485*1	220V



Features:

- Based on the T5L0 ASIC CPU, running the DGUS II human-machine interaction software platform, ultra-slim thermostat.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker, RTC and DWIN WIFI-10 module.
- With conformal coating.
- Support external temperature and humidity sensor.
- Support temperature measurement using NTC, infrared reception, proximity sensing function, expandable offline voice and WIFI signal enhancement.

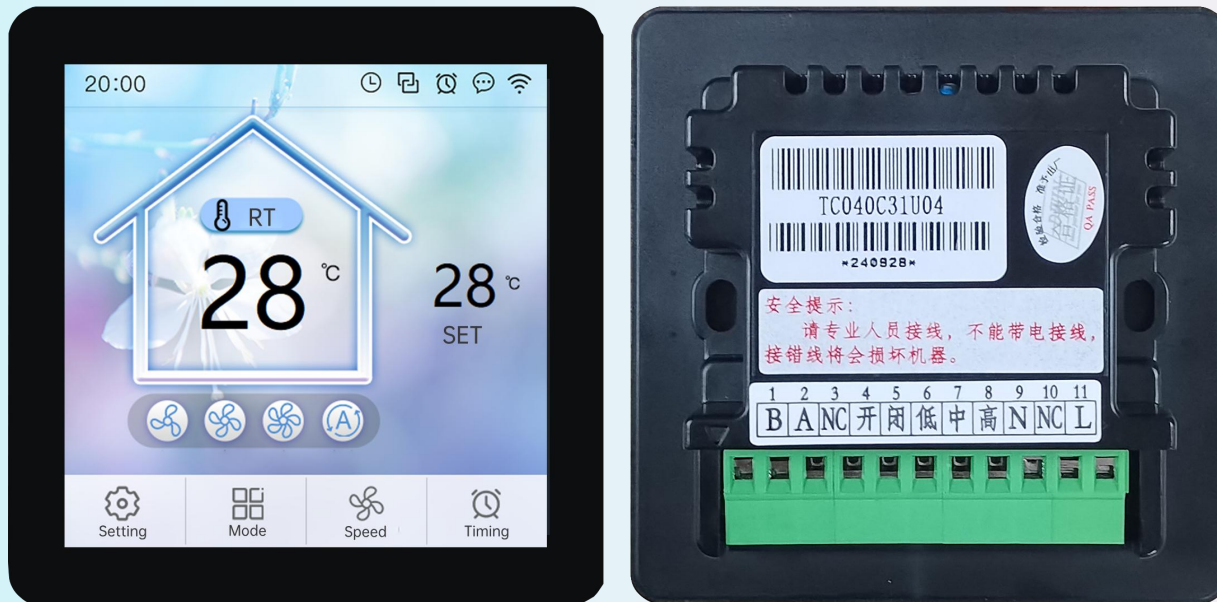
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C15G04	4.0	IPS	480*480	250nit	Capacitive	2Pin_3.81mm, 4Relay+RS485*1	220V



Features:

- Based on the T5L0 ASIC CPU, running the DGUS II human-machine interaction software platform, ultra-slim thermostat.
- 4.0-inch, 480*480 pixels resolution, 262K colors, IPS-TFT-LCD, wide viewing angle.
- OCA bonded capacitive touch panel.
- With speaker, RTC, DWIN WIFI-10 module and a China Unicom eSIM.
- With conformal coating.
- Support temperature measurement using NTC, temperature and humidity real-time display.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C31U04/W04	4.0	IPS	480*480	200nit	Capacitive	11Pin_5.08mm, 4Relay+RS485*1	220V



Features:

- Powered by T5L1 ASIC, running DGUS II HMI platform, thermostat.
- 4.0 inch, 480*480 resolution, IPS-TFT LCD.
- Reliable capacitive touch panel.
- With speaker and RTC.
- Support NTC temperature measurement and real-time temperature and humidity display.
- W04: Built-in DWIN WIFI-10 module.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC041C11U04/W04	4.1	IPS	720*720	250nit	Capacitive	11Pin_5.08mm, 4Relay+RS485*1	220V



Features:

- Powered by T5L1 ASIC, running DGUS II HMI platform, thermostat.
- 4.1 inch, 720*720 resolution, 16.7M colors, IPS-TFT LCD.
- With speaker, temperature sensor and proximity sensor (NC).
- W04: Built-in DWIN WIFI-10 module.

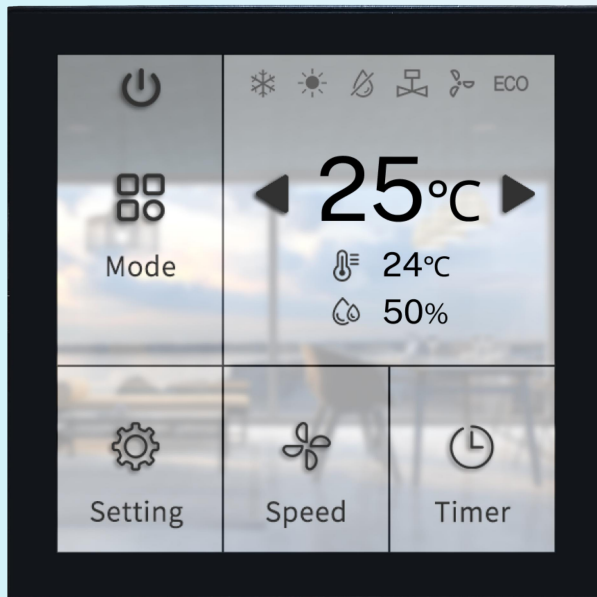
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC035C13U05/W05	3.5	TN	320*240	300nit	Capacitive	11Pin_5.08mm, 3Relay+RS485*1+ PWM*2	220V



Features:

- Powered by T5 ASIC, running DGUS II HMI platform.
- 3.5 inch, 320*240 resolution, 64K colors, TN LCD.
- With buzzer, temperature sensor and RTC.
- W05: Built-in DWIN WIFI-10 module.

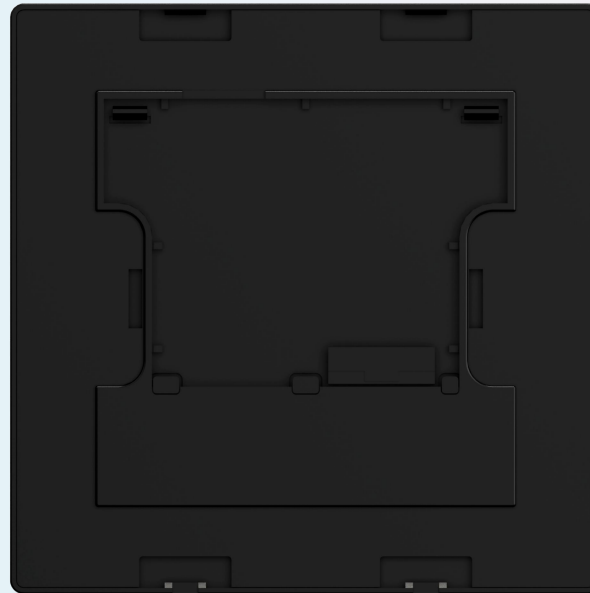
Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C13W04	4.0	IPS	480*480	250nit	Capacitive	2Pin_3.81mm, 11Pin_5.08mm, 2Relay+RS485*2+ PWM*1+VSP*1	220V



Features:

- Powered by T5L0 ASIC, running DGUS II HMI platform, ultra-slim fresh air controller.
- 4.0-inch, 480*480 resolution, IPS-TFT-LCD.
- OCA bonded capacitive touch panel.
- With speaker, RTC and Tuya WBR3 module.
- Conformal coating.
- Support NTC temperature measurement and real-time temperature and humidity display.

Model	Size	LCD Type	Resolution	Brightness	Touch Type	Interface	Power Voltage
TC040C62U00	4.0	IPS	480*480	50nit	Capacitive	30Pin_0.5mm	4.5-5.5V



Features:

- Powered by T5F0 ASIC, running DGUS II HMI platform, front screen kit for thermostat.
- 4 inch, 480*480 resolution, IPS-TFT-LCD.
- Power by TPS04, reliable 2.5D integrated black capacitive touch panel.
- 30-pin FPC connector with UART2, SD card, PWM and other interfaces.
- Support temperature measurement using NTC.





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