

TOUCH SERIES MODEL



FEATURES

- ♦ Modern touch screen design suitable for offices, hotels and residential buildings.
- ♦ Applicable for 2-pipe fan coil and ECM fan cooling/heating, Modulating/ON-OFF
- ♦ 7 Days 6 Periods programmable from thermostat.
- ♦ Black LCD display
- ♦ Special colors casing upon request with RAL number can be provided based on production MOQ
- ♦ Both room temperature and Set-point are displayed.
- ♦ Manual & Automatic fan functions
- ♦ User setting can be kept during power off.
- ♦ Big LCD with English display
- ♦ Temperature unit C&F
- ♦ Regular color available in Black and White body
- ♦ EC motor fan control
- ♦ Fits in 70mmx70mm electrical junction box
- ♦ Real Time clock with infinite life battery backup

TX986ME024-V2

TX986ME024-V2M

TX986MEO220-V2

TX986MEO220-V2M

APPLICATIONS

- ▶ TX986 Series is touch screen thermostat with many variants suitable for 2-pipe fan coil and ECM fan cooling or heating. Available in basic standalone and Modbus communicating variants.
- ▶ Fitted with built-in NTC 10K sensor. Several add-on functions like remote sensor, key card can be chosen as per site requirements.

SPECIFICATION

- ♦ Power Supply : 24VAC OR 95-240VAC
 - Frequency: 50~60Hz
- ♦ Function: Cooling/Heating
- ♦ EC motor fan control 0-10VDC
- ♦ Wiring Max: 16AWG
- ♦ Sensing Element: 10K(@25°C) NTC
- ♦ Display Accuracy: 0.1°C, Set-point accuracy: 0.5°C/step
- ♦ Set-point range: 10-32°C(50-90°F) • Display range: 0-50°C
- ♦ Protection Class: IP 20 • Storage Temperature&Humidity : 20~30°C CRH45%~65% Working Temperature&Humidity: 0~50°C, less than RH90% (No condensation)
- ♦ Suitable Valve: 2-line/ 3-line valve.
- ♦ Installed on 70mm x 70mm box


EC Motor Fan Voltage configuration Standard


- ♦ 0-10VDC fan setting range 0.0~10.0V(0.1V per step) for each speed

ORDERING PART NUMBERS

PART NUMBERS	OPERATING VOLTAGES	APPLICATIONS	VALVE TYPE	MODBUS RS 485	UNIVERSAL INPUT (AI/DI)
TX986ME024-V2	24VAC	ECM UNIT/ 2-PIPE FCU	0-10VDC	X	✓
TX986ME024-V2M	24VAC	ECM UNIT/ 2-PIPE FCU	0-10VDC	✓	✓
TX986MEO220-V2	85-240 VAC	ECM UNIT/ 2-PIPE FCU	0-10VDC/ON-OFF	X	✓
TX986MEO220-V2M	85-240 VAC	ECM UNIT/ 2-PIPE FCU	0-10VDC/ON-OFF	✓	✓

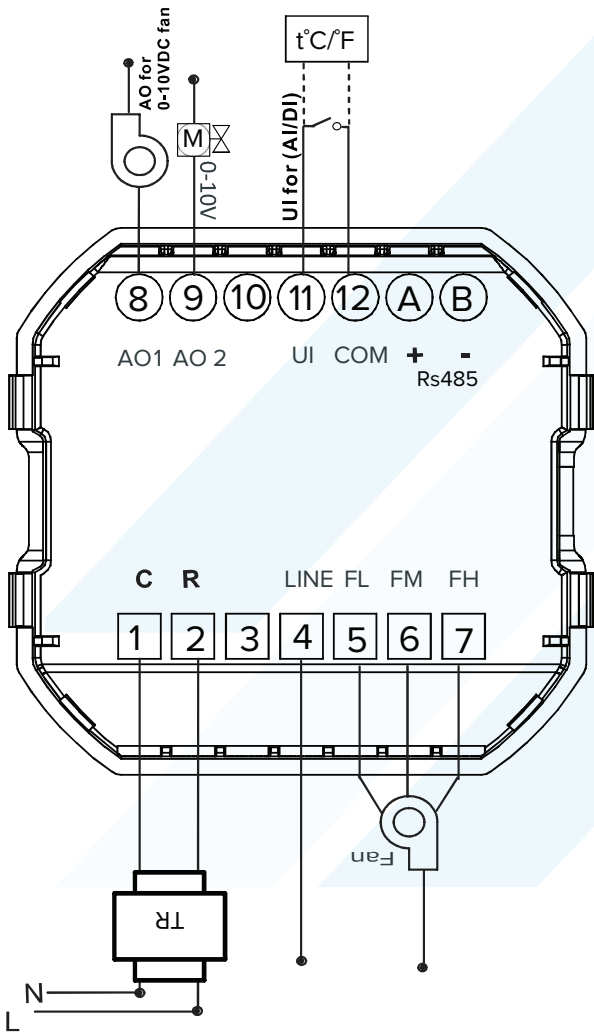
ABBREVIATION

 CASING/COVER COLOR	
BLACK	B
WHITE	W

 BACKLIGHT COLOR	
Black backlight + White letters (VA LCD)	BW

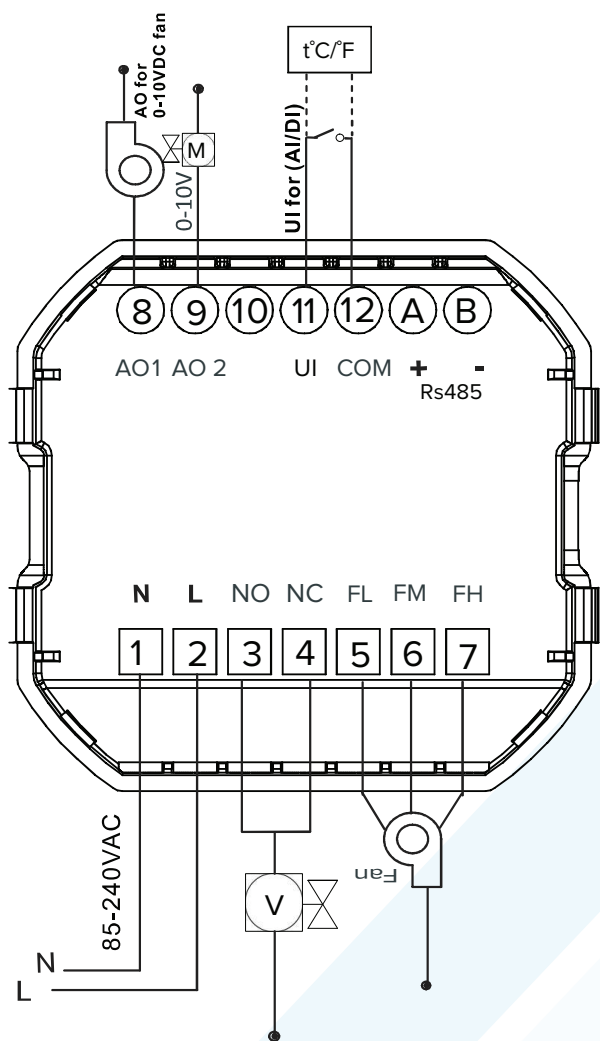
*ordering example TX986ME024-V2-WBW

WIRING DIAGRAM



NO	TERMINALS	DESCRIPTION
1	C	24V NEUTRAL & COM FOR AO
2	R	24V ACTIVE
3		
4	LINE	LINE FOR FAN
5	FL	LOW SPEED FAN
6	FM	MEDIUM SPEED FAN
7	FH	HIGH SPEED FAN
8	Ao1	0-10VDC OUTPUT FOR ECM FAN
9	Ao2	0-10VDC OUTPUT FOR MODULATING ACTUATOR
10	AI	0-10VDC VALVE FEEDBACK
11	UI	AI (REMOTE SENSOR)& DI (KEY CARD)
12	COM	COM FOR UI
A	+	RS485 MODBUS
B	-	RS485 MODBUS

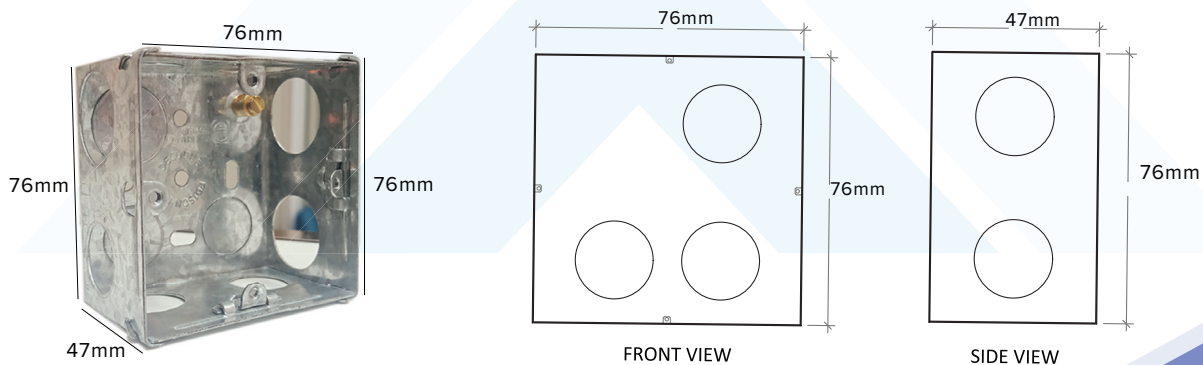
TX986ME024-V2/TX986ME024-V2M



TX986MEO220-V2/TX986MEO220-V2M

NO	TERMINALS	DESCRIPTION
1	N	NEUTRAL LINE IN
2	L	LIVE LINE IN
3	NO	VALVE OPEN
4	NC	VALVE CLOSE
5	FL	LOW SPEED FAN
6	FM	MEDIUM SPEED FAN
7	FH	HIGH SPEED FAN
8	Ao1	0-10VDC OUTPUT FOR ECM FAN
9	Ao2	0-10VDC OUTPUT FOR MODULATING ACTUATOR
10	AI	0-10VDC VALVE FEEDBACK
11	UI	AI (REMOTE SENSOR)& DI (KEY CARD)
12	COM	COM FOR UI & AO
A	+	RS485 MODBUS
B	-	RS485 MODBUS

JUNCTION BOX SPECIFICATION



*The catalog is subjected to changed as per Trueway products upgrade without notice.

Touch makes you Comfortable

OFFICE :
Trueway Controls Hong Kong Limited
Room 1318-19 Hollywood Plaza,
610 Nathan Road, Mongkok,
Kowloon, Hong Kong

FACTORY :
5F, Building 5
Yuankang Technology area
Xiangzhou District
Zhuhai, China.