THERMOSTAT USER MANUAL
(TX892 SERIES)

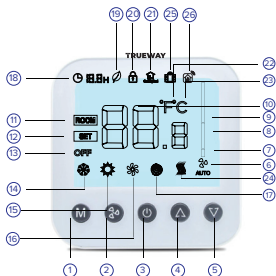# INDEX

TRUEWAY®

MODEL NUMBERS

☐ TX892OF024-V2 ☐ TX892OF024-V2M

☐ TX892OF220-V2 ☐ TX892OF220-V2M

☐ TX892ML024-V2 ☐ TX892ML024-V2M

☐ TX892ML220-V2 ☐ TX892ML220-V2M

☐ TX892EC024-V2 ☐ TX892EC024-V2M

☐ TX892EC220-V2 ☐ TX892EC220-V2M

☐ TX892ML024-VAV-E ☐ TX892ML024-VAV-ME

ML-EC-OF

1. Mode Button
2. Fan Button
3. Power Button
4. Up Button
5. Down Button
6. Auto Fan
7. Fan Speed Low
8. Fan Speed Medium
9. Fan Speed High
10. Temperature Display
11. Room Temperature
12. Set-Point
13. System Off

14. Cooling Mode
15. Heating Mode
16. Ventilation Mode
17. Compressor Function Display
18. Time - Off
19. Energy Saving Mode
20. Keypad Lock Out
21. Key Card Function Display
22. Degree Fahrenheit
23. Degree Centigrade
24. Heating Coil
25. Window Open
26. Fire Alaram

VAV
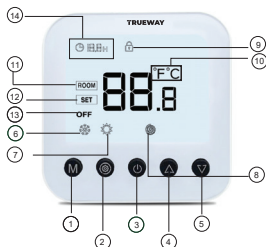
1. Mode Button
2. Set Button
3. Power Button
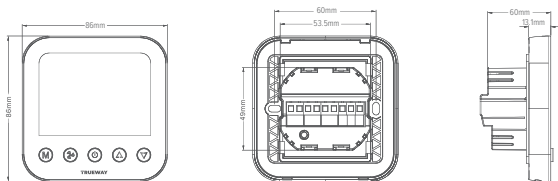4. Up Button
5. Down Button
6. Cooling Mode
7. Heating Mode
8. Compressor
9. Keypad Lock
10. Temperature Unit C/F
11. Room Temperature
12. Set-Point
13. Thermostat Off
14. Timer on-off

FUNCTION

● 2-pipe FCU/ECM FAN/VAV units Cooling or heating

● Manual 3-speed an + Auto Fan Control

● Key Pad Lock

● Either Room Temperature or Set-point is displayed

● Back-light time setting

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VALVE CONTROL	POWER ON/OFF	INCREASE/ DECREASE
Thermostat acquires the room temperature via its integrated sensor and maintains the set-point by modulating output or ON-OFF output.	By pressing POWER button ˙ᴗ˙ to change the power on/off status	In the on state, press UP ʌ or ˅ DOWN to increase or decrease the setting parameters.

HEAT/COOL/VENT	TEMPERATURE DISPLAY
Pressing the MODE button "M" to select heat "☀" cool "❄" or ventilation "✿" mode. (no ventilation mode in VAV series)	Either room temperature or set-point is displayed Noted: When pressing UP ʌ or Down ˅ button, the set-point will be displayed, When no operation (button pressed) after a few seconds, the room temperature will be display instead.

FAN OPERATION (NOT AVAILABLE IN VAV SERIES)

Fan can be selected as manual or automatic 3-speed operation. In manual mode, the fan will be switched to the selected speed via control output Fh, Fm, Fl (by pressing FAN button "˙✲˙") . In automatic mode, the fan speed will be switched upon the difference between the room temperature and the set-point. When room temperature reaches set-point, valve will be closed meanwhile fan will be turned off as well.

COMFORT MODE	KEY LOCK
In the comfort mode, the set point can be changed by pressing UP ʌ or DOWN ˅ buttons. Different applications include cool only, heat only or manual heat/cool changeover.	The default status of "Key lock" is all keys available and it can be changed in ISU mode. Key lock function includes the following settings: All keys are available (Default) Mode button is locked out. Fan and Mode button are locked out.All buttons are locked.

ENERGY SAVING MODE

By pressing MODE " M " for 3 seconds can activate the energy saving mode with " ☾ " icon appearing on the screen. If energy saving is activated by button pressed, pressing any button will stop energy saving mode. For heating mode, if energy saving function is enabled, the set-point will be changed to remote setback heating set-point. The range of remote setback heating set-point is from 10℃ to 21℃and default value is 18 . The value can be changed in ISU mode with step of 1 ℃ For cooling mode, if energy saving function is enabled, the set-point will be changed to remote setback cooling set-point. The range of remote setback cooling set-point is from 22℃ to 32℃and default value is 26 . The value can be changed in ISU mode with step of 1 ℃

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Touch makes you comfortable

Freeze protection can be disable (default) or enabled via ISU mode. If freeze protection is enabled (it is not available in cooling only application) and thermostat is in OFF mode while the room temperature is below 6 , the thermostat will open heating device before the temperature rises to 8 ℃.
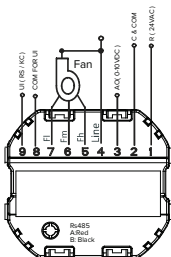
a. Press MODE "M"and POWER"⏻" to enter ISU setting, press UP "⋀" or DOWN "⋁" to select code 6.

b. Press MODE "M", the icon of SET will be appeared, then press UP"⋀" or DOWN "⋁" to select ID value from range 1-64.

c. Do the same operation of a. you can check the RS-485 ID.

WIRING DIAGRAM
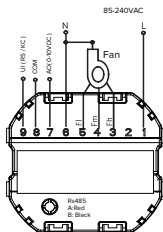
MODULATING

TX892ML220-V2 / TX892ML220-V2M

NO	TERMINALS	DESCRIPTION
1	L	LIVE LINE IN
2		
3	FH	HIGH SPEED FAN
4	FM	MEDIUM SPEED FAN
5	FL	LOW SPEED FAN
6	N	NEUTRAL LINE IN
7	AO	ANALOG OUTPUT
8	COM	COM FOR MODULATING VALVE & EXTERNAL SENSOR/ KEY CARD
9	UI	UNIVERSAL INPUT EXTERNAL SENSOR/ KEY CARD

TX892ML024-V2 / TX892ML024-V2M

NO	TERMINALS	DESCRIPTION
1	R	24V ACTIVE
2	C&COM	24V NEUTRAL
3	AO	ANALOG OUTPUT
4	LINE	220V LINE FOR FAN
5	FH	HIGH SPEED FAN
6	FM	MEDIUM SPEED FAN
7	FL	LOW SPEED FAN
8	COM	COM FOR MODULATING VALVE & EXTERNAL SENSOR /KEY CARD
9	UI	UNIVERSAL INPUT EXTERNAL SENSOR/ KEY CARD

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NO	TERMINALS	DESCRIPTION
1	L	LIVE LINE IN
2	FH	HIGH SPEED FAN
3	FM	MEDIUM SPEED FAN
4	FL	LOW SPEED FAN
5	NO	NO FOR VALVE/ COMPRESSOR
6	NC	NC FOR VALVE/ COMPRESSOR
7	N	NEUTRAL LINE IN
8	COM	COM FOR UI
9	UI	AI (REMOTE SENSOR) DI (KEY CARD)
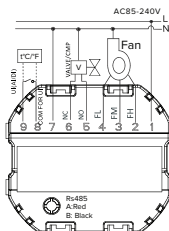
TX892OF220-V2 / TX892OF220-V2M
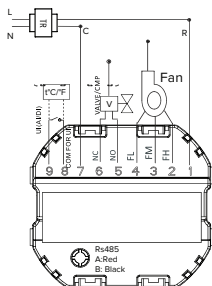
NO	TERMINALS	DESCRIPTION
1	R	24V ACTIVE
2	FH	HIGH SPEED FAN
3	FM	MEDIUM SPEED FAN
4	FL	LOW SPEED FAN
5	NO	NO FOR VALVE/ COMPRESSOR
6	NC	NC FOR VALVE/ COMPRESSOR
7	C	24V NEUTRAL
8	COM	COM FOR UI
9	UI	AI (REMOTE SENSOR) DI (KEY CARD)

TX892OF024-V2/ TX892OF024-V2M

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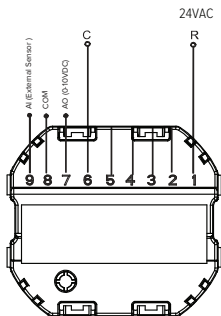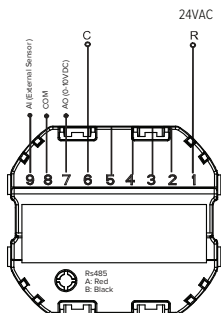
TX892ML024-VAV-E

TX892ML024-VAV-ME

NO	TERMINALS	DESCRIPTION
1	R	24V ACTIVE
2		
3		
4		
5		
6	C	24V NEUTRAL
7	AO	ANALOG OUTPUT
8	COM	MODULATING VALVE AND EXTERNAL SENSOR
9	AI	EXTERNAL SENSOR

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AC24V
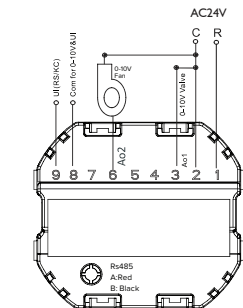
NO	TERMINALS	DESCRIPTION
1	R	24V ACTIVE
2	C	24V NEUTRAL
3	Ao1	ANALOG OUTPUT 0-10V FOR VALVE
4		
5		
6	Ao2	0-10V FAN
7		
8	COM	COM FOR 0-10V &UI
9	UI	RS (REMOTE SENSOR) &KC (KEY CARD)

TX892EC024-V2 / TX892EC024 -V2M

AC85-240V
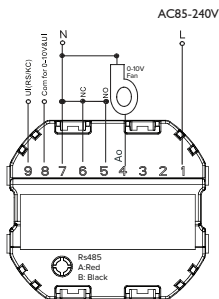
NO	TERMINALS	DESCRIPTION
1	L	LIVE LINE IN
2		
3		
4	AO	0-10V FAN
5	NO	VALVE OPEN
6	NC	VALVE CLOSE
7	N	NEUTRAL LINE IN
8	COM	COM FOR 0-10V &UI
9	UI	RS(REMOTE SENSOR) &KC(KEY CARD)

TX892EC220-V2 / TX892 EC220 -V2M

TRUEWAY

ABOUT OUR BUSINESS

Trueway is a renowned brand of digital room Thermostat, delivering high quality and durable products. Quality checking is a tedious procedure and it has to undergo many steps including manual and system generated.But we aren't in a hurry, because we believe 'the success stands in customer satisfaction', so we have to ensure the complete perfection of our products.

TRUEWAY IS ONE OF THE POPULAR
THERMOSTAT SUPPLIERS GLOBALLY

Highly qualified and dedicated staff, consistent updates and innovation made a name for itself in global markets. Our dedicated team is constantly striving to be more connected, forward-looking, and customer-centric. Our mission is to comprehend the upcoming trends of Thermostats in Air Conditioners and forces that will shape Air Conditioning Accessories in the future and move swiftly to prepare for what's to come. We are trying to expand our business all over the world to create a portfolio that brings to the world with top Brand for Thermostat products that anticipate and satisfy our esteemed customer's upcoming demands. Our product specialists will help our esteemed customers to choose the right product from our wide range to meet their expectations. Our main objective is to provide higher quality products with a viable price dispatched on schedule.

In order to manage and meet our ever-growing demand for our Brand of Thermostat products, we are strategically located at Asia's business hub Hongkong. Trueway products are manufactured with high quality components and designed by world's most proficient engineers. Also, we deeply understand the significance of after sales service and ensure complete customer satisfaction with our Thermostat Supplier. We are facilitated with a dedicated team of sales and service; they are always equipped and ready to cater to the needs of all our esteemed customers. We have a well-qualified R&D team of air conditioning products with many years of experience reflecting high degree of technology integration and development capabilities. Trueway's ultimate goal is to achieve a global leadership in air conditioning solution provider's status. We eventually center around making long term value for our clients and employees through our passionate and disciplined management which together drive sustained competitive advantage.

TRUEWAY

The user manual is subject to change without notice. For (ISU)Setup function settings and options, and for Modbus and Wi-Fi model, please contact Trueway team to get master catalog for commissioning.

Thank you for choosing Trueway's product !

For Technical support contact : ✉ **info@truewaycontrols.com**

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