

TIS VENERA SERIES

Touch Wall Switch

Model: VEN-AC-4R-HC

Data Sheet Rev 3.2







OVERVIEW

This product is a thermostatic wall switch with an OLED and touch buttons designed for indoor climate control. It offers real-time temperature readings and is perfect for optimizing energy consumption.

KEY BENEFITS

- Compatibility with other TIS solutions
- Improved energy efficiency
- Suitable for all types of back boxes
- Applicable in home, hotel & office rooms

KEY FEATURES

- Direct connection to WiFi network
- Compatibility for horizontal & vertical mounting
- Equipped with a 1.5" OLED
- ★ Programmable for scenes & presets
- Controllable through TIS App.











TIS VENERA SERIES



Touch Wall Switch Model: VEN-AC-4R-HC



L Output Number of channels Nominal voltage Nominal voltage Nominal current per channel 4 relays for cool, heat and fan speed control 110 – 230 V AC 50/60 Hz 3 A / 230 VAC 27/VAC / 30VDC L Output switching Max. switching voltage current Max. switching voltage 3 A / 230 VAC 27/VAC / 30VDC L Output service life Mechanical endurance > 10,000,000 OPS L Output switching times Releasing time Releasing time Max. operating frequency 8 mS (at nomi. Volt) 5 mS (at nomi. Volt) 25 cycle/min L S mS (at nomi. Volt) 5 mS (at nomi. Volt) 25 cycle/min L S mS (at nomi. Volt) 25 cycle/min L WIFI Signal Protocol Standard 2.4 GHz 802.11 b/g/n BO2.11 b/g/n approx. 30ms To Mounting Wall mount To US, EU, UK junction boxes It is approx. 30ms 1.5" 2 control buttons 15 protocol buttons Temp sensor Backlit TIS AIR TIS protocol messages & commands Over WiFl connection 2 LED indicators 15 protocol messages & commands Over WiFl connection Image: A wife time backlit Tis AIR Tis protocol messages & commands 10 protocol messages &		PRODUCT SPECIFICATIONS		
Current Max. switching voltage 277VAC / 30VDC L Output service life Mechanical endurance > 10,000,000 OPS L Output switching times Operating time Releasing time Releasing time Releasing time Max. operating frequency 8 mS (at nomi. Volt) Tis AIR WIFI Signal Protocol Standard 2.4 GHz 802.11 b/g/n Reaction time Approx. 30ms To Mounting Wall mount To US, EU, UK junction boxes To Us, EU, UK junction boxes Display 1.5° 2 control buttons 2 control buttons 1 nlternal resistive temp sensor 2 lacklit 2 LED indicators 1 laternal resistive temp sensor 2 lacklit 3 LED indicators 1 list protocol messages & commands 2 lacklit 3	Ţ	Output	Nominal voltage	110– 230 V AC 50/60 Hz
Output switching times Releasing time Max. operating frequency Some Society of Mounting TIS AIR WIFI Signal Protocol Standard Protocol Standard Reaction time Wall mount To US, EU, UK junction boxes Display Touch buttons Temp sensor Backlit TIS AIR TIS Protocol messages & commands Over WIFI connection Weight Without packaging Without packaging Materials Internal parts color IP rating Tempsor Black / White IP 50 Temperature range Operation Some Some Some Some Some Some Some Some	1			
L Output switching times Max. operating frequency 5 mS (at nomi. Volt) 25 cycle/min Max. operating frequency 5 mS (at nomi. Volt) 25 cycle/min TISAIR WIFI Signal Protocol Standard 2.4 GHz 802.11 b/g/n Reaction time approx. 30ms Mounting Wall mount To US, EU, UK junction boxes To US, EU, UK junction boxes Internal resistive temp sensor Internal resistive temp sensor Internal resistive temp sensor 2 LED indicators TIS protocol messages & commands Over WIFI connection Weight Without packaging 21g Dimensions Length × Width × Height 85mm × 42mm × 109mm Housing Materials Internal parts color IP rating Fireproof PC / Glass in front Black / White IP 50 Image: Protocol Materials Internal parts color IP rating Protocol Materials Internal parts color IP rating -1060°C - 2575°C Temperature range Storage Transport -2050°C - 2575°C	_	Output service life	Mechanical endurance	> 10,000,000 OPS
Reaction time Reaction time Wall mount To US, EU, UK junction boxes Display Touch buttons Temp sensor Backlit TIS AIR Upgrading Dimensions Length × Width × Height Materials Internal parts color IP rating Temperature range Operation Protocol Standard 802.11 b/g/n approx. 30ms To US, EU, UK junction boxes 1.5" 2 control buttons 11cernal resistive temp sensor 2 LED indicators TIS protocol messages & commands Over WIFI connection 85mm × 42mm × 109mm Fireproof PC / Glass in front Black / White IP 50 Operation Storage Transport -2050°C -2575°C	Ţ	Output switching times	Releasing time	5 mS (at nomi. Volt)
To Mounting Wall mount To US, EU, UK junction boxes III Display Touch buttons 2 control buttons 1.5" 2 control buttons 1.15" 2 LED indicators 1.15 AIR 2.1ED indicators 1.15 AIR 2.1ED indicators 1.15 Protocol messages & commands 2.1ED indicators 2.1ED indicators 1.15 Protocol messages & commands 2.15 Protocol messages & c	TISÑIR	TIS AIR	•	
Display Touch buttons Temp sensor Backlit TIS AIR Upgrading Weight Without packaging Length × Width × Height Housing Temperature range Display Touch buttons 2 control buttons Internal resistive temp sensor 2 LED indicators TIS protocol messages & commands Over WIFI connection 85mm × 42mm × 109mm Fireproof PC / Glass in front Black / White IP 50 Poperation Storage Transport -1060°C -2575°C	(}	Reaction time		approx. 30ms
Touch buttons Temp sensor Backlit TIS AIR Upgrading Weight Without packaging Length × Width × Height Housing Temperature range Touch buttons Temp sensor Backlit TIS AIR Upgrading Pover WIFI connection 2 LED indicators TIS protocol messages & commands Over WIFI connection 2 Leg h × Width × Height 85mm × 42mm × 109mm Fireproof PC / Glass in front Black / White IP 50 Temperature range Operation Storage Transport Touch buttons 2 control buttons Internal resistive temp sensor 2 LED indicators TIS protocol messages & commands Over WIFI connection Fireproof PC / Glass in front Black / White IP 50 Temperature range Operation Storage Transport Temperature range Touch buttons Internal resistive temp sensor 2 LED indicators TIS protocol messages & commands Over WIFI connection 10 Somm × 42mm × 109mm Fireproof PC / Glass in front Black / White IP 50 Temperature range Operation Storage Transport Temperature range Touch buttons Internal resistive temp sensor 2 LED indicators TIS protocol messages & commands Over WIFI connection 10 Somm × 42mm × 109mm Fireproof PC / Glass in front Black / White IP 50 Temperature range Operation Temperature range Temperatu	S o	Mounting	Wall mount	To US, EU, UK junction boxes
Image: Problem of the problem of t	†‡†	Operation	Touch buttons Temp sensor Backlit TIS AIR	2 control buttons Internal resistive temp sensor 2 LED indicators TIS protocol messages & commands
Materials Internal parts color IP rating Operation Storage Transport Fireproof PC / Glass in front Black / White IP 50 Operation -1060°C -2050°C -2575°C	Ĝ	Weight	Without packaging	21g
Housing Internal parts color IP rating IP 50 Operation Storage Transport -1060°C -2050°C -2575°C	+	Dimensions	$Length \times Width \times Height$	85mm × 42mm × 109mm
Temperature range Storage -2050°C Transport -2575°C		Housing	Internal parts color	Black / White
Air humidity <80% non-condensing	ß	Temperature range	Storage	-2050°C
	8	Air humidity		<80% non-condensing



TIS VENERA SERIES



Touch Wall Switch Model: VEN-AC-4R-HC





