A6 SERIES
Temperature & Humidity Controllers

- Slim frame measures 13mm in thickness | A65
- High contrast LCD and touch keys x5
- Modbus / Wi-Fi / LoRaWAN
- One simple mobile app ⬡ | A64 A65
- Standard FCUs and EC fans
- Modulating valve control
- Anti-freeze / delay-start compressor protection
- Remote temperature / humidity sensor
- Gloss / matte black / white / silver housings
- Surface-mounting on walls | A64
- Flush-mounting in 86-86 / BTicino T503 / Hubbell 2"x3" wall boxes | A65 A68 A69

VERSATILE FOR YOUR APPLICATION

The A6 series thermostats operate as stand-alone units, or with Modbus, BACnet, and LoRaWAN systems. Easy to commission and configure, A6 offers a practical and reliable solution for system integration. In the RTU configuration, A6 supports auto-discovery and data exchange via a simple and reliable protocol preferred by big brands in the energy and construction industries. Models equipped with LoRaWAN modules enable the roll-out of IoT applications and provide seamless interoperability among smart devices.

Compatible with both 3-speed fan-coil units and modulating EC fan motors, A6 is widely applicable in HVAC system designs.
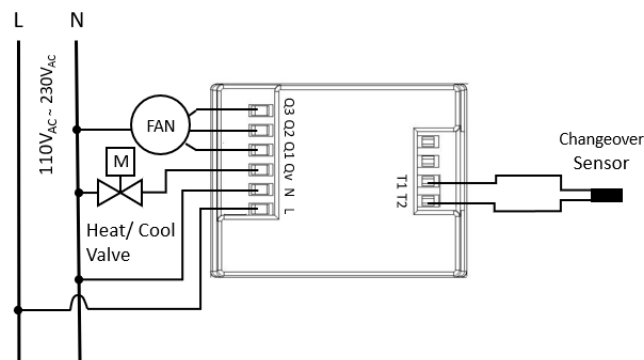
The A6 Series features the minimalist design that compliments your modern interior décor and details.
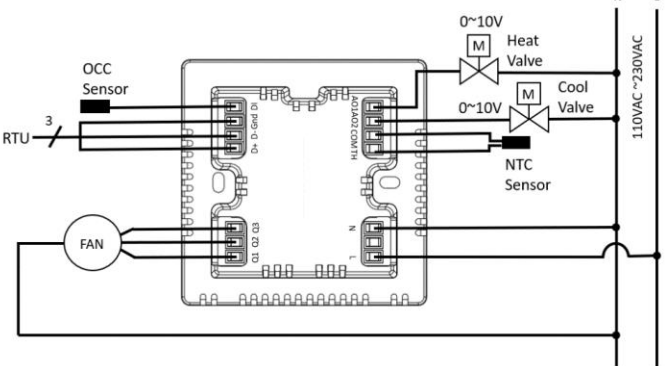
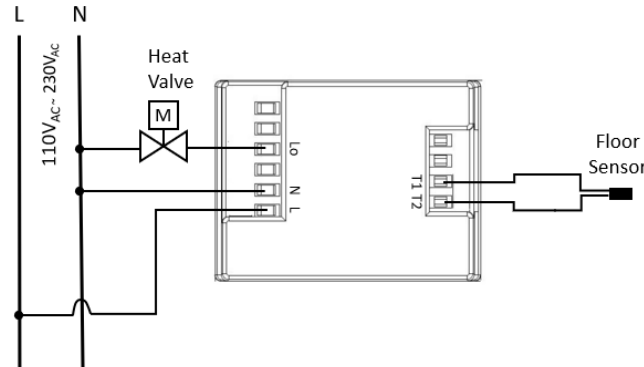| Technical Specification	
Operating Voltages	$110V_{AC} \sim 240V_{AC}$ 50/60HZ $24V_{AC}$ 50 /60HZ
Control Signal	Modulating, On/Off
Load Capacity	Fan: Resistive Load 3A & Inductive Load 1A Valve: Resistive Load 2A
Protection rating	IP20
Temperature Setting Range	10 ~ 35°C
Operating Temperature	0 ~ 50°C
Relative Humidity	5 ~ 95% R.H. non-condensing
Terminal	$2mm^2$ cable

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Product Wiring Diagrams

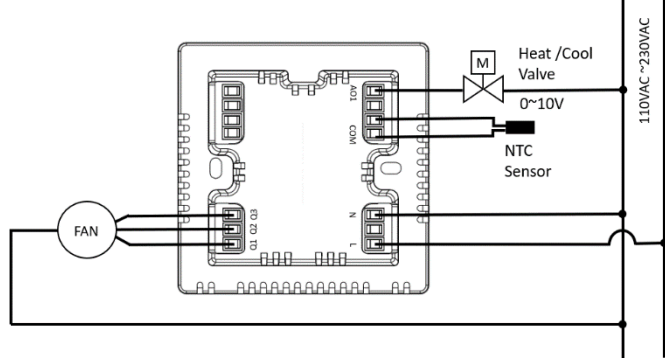**Part number: TA652FC**
Fan-Coil controller

Part number: TA692FC-MOD
Fan-Coil controller w/ Modbus RTU interface
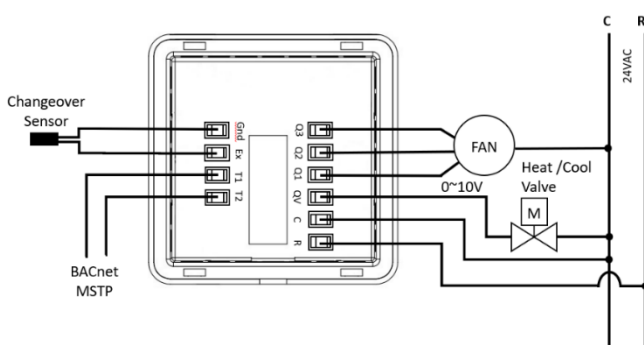

Part number: TA652FH
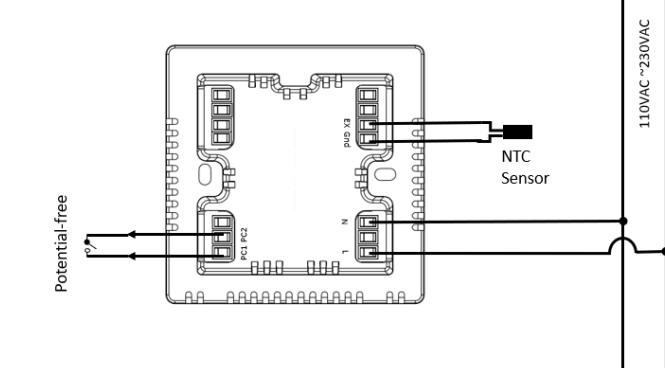**Floor-heating Application**

Part number: TA692FC-L
LoRaWAN Fan-coil controller

Part number: TA640FC-BAC
Fan Coil Application

Part number: TA692PF
For General Electrical Appliance

Product Range and Models

Type	Feature	TA652FC / TA650FC	TA652FC-W / TA650FC-W	TA642FC-W / TA640FC-W	TA652FH-W	TA642FH-W	HA652-W / HA650-W	TA640FC-BAC	TA692FC-MOD	TA692PF-COL	TA692FC-L
Application	2-pipe heating or cooling	●	●	●				●	●	●	●
	EC fan motor									●	
	Floor heating				●	●					
	Air humidity control						●				
Communicating	Modbus RTU								●		
	BACnet MSTP							●			
	LoRaWAN AS923										●
	LoRaWAN EU868										●
	Wi-Fi 802.11b/g/n		●	●	●	●	●				
Output / Control Interface	ON/OFF	●	●	●	●	●	●	●	●	●	●
	Modulating							●	●	●	●
	Potential free									●	
Function	Graphic Icons, Touch keys	●	●	●	●	●	●	●	●	●	●
	Fan Speed (Low, Mid, High, Auto)	●	●	●				●	●		●
	C°/F field selectable	●	●	●	●	●	●	●		●	
	Remote Passive Sensor (^)	●	●	●	●	●	●			●	
	PI output control							●			
	Valve open/close detection (~)									●	
	2.4" color screen for visual alert									●	
	7-day scheduling	●	●	●	●	●					
	Anti-freeze protection	●	●	●	●	●					
	Real-time Clock synchronization		●	●	●	●	●				
	Remote control on Smartphone App		●	●	●	●	●				
Energy Saving	Ventilation only mode	●	●	●				●			
	Occupancy detect (dry-contact)	●	●	●							
	Unoccupied/Economy Set-Points	●	●	●	●	●					
	Low Fan when unoccupied	●	●	●				●			
	Adjustable Set Point Limits	●	●	●				●	●		●
Power Supply	24V_AC	●	●	●			●	●			
	110V_AC / 230V_AC	●	●	●	●	●	●			●	●
Installation	Flush mounted units	●	●		●		●		●	●	●
	Surface mounted units			●		●		●			

(^) Selected models supplied with 10K NTC sensor, plastics cable 3 meters in length.
(~) Monitor the open/close state of 1 or 2 external switches

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