



DELTA T EC

Do's & Don'ts



DO's

- ✔ **Use With EC Motors Only:** The Delta T EC control is only compatible with Airius EC motors. Use the AC version for shaded pole or PSC motors.
- ✔ **Hire a Qualified Electrician:** All installation and wiring must be done by qualified professionals following local and national codes.
- ✔ **Use the Supplied Power Supply:** Only use the included 24VDC power supply for the control interface.
- ✔ **Use Proper Cable Types:**
 - ✔ CAT5 FTP or CAT5e FTP for sensors.
 - ✔ 2-conductor signal/control cable (20-24AWG) for fan connections.
 - ✔ Twisted pair, low-capacitance cables for optimal performance.
- ✔ **Mount Components Properly:**
 - ✔ Install the wall control and floor sensor ~48" above finished floor in standard 2x4 job boxes.
 - ✔ Mount the ceiling sensor at the same elevation as the fans.
- ✔ **Ensure Safe Sensor Placement:** Place sensors away from direct sunlight, HVAC vents, high-heat or cold areas, and radiant heating panels. Central locations are best.
- ✔ **Follow the Fan Connection Guidelines:**
 - ✔ Remove WAGO connectors from fan signal leads before wiring.
 - ✔ Daisy chain fans and connect to labeled terminals: 0-10VDC (yellow) and GND (blue).
- ✔ **Respect Wiring Distance Limits:**
 - ✔ Sensors: max 82 ft (25 m) from the controller.
 - ✔ Fan control wiring: max total length of 750 ft.
- ✔ **Use AUTO and Manual Modes as Needed:**
 - ✔ 5 modes: 24-hour timer, Delta T control, thermostat, humidistat, and manual.
 - ✔ Easily switch modes and configure thresholds on the LCD interface.



- ✔ **Power On Last:** Plug the 24VDC power supply into the 120V outlet only after all wiring is complete.
- ✔ **Clean with Care:** Use a damp cloth with mild detergent on the controller and sensor faceplates.
- ✔ **Contact Support for Issues:** If problems arise (e.g., screen errors E1/E2 or no power), check wiring or contact Airius support.

DON'Ts

- ✘ **Do Not Use Outdoors:** This control is for indoor use only.
- ✘ **Do Not Use With Non-EC Motors:** It's not compatible with shaded pole or PSC motors.
- ✘ **Do Not Mount Sensors Near Heat/Cooling Sources:** This skews the readings and reduces control accuracy.
- ✘ **Do Not Plug in Power Prematurely:** Only connect the power supply after all wiring connections are securely in place.
- ✘ **Do Not Exceed Control Wire Limits:** The total length of wire to all fans must not exceed 750 ft.
- ✘ **Do Not Modify or Alter the Controller:** Unauthorized modifications or disassembly void the warranty.
- ✘ **Do Not Use Harsh Chemicals:** Avoid cleaning with solvents, alcohols, ammonia, thinners, or petroleum products.
- ✘ **Do Not Return Items Without an RMA:** Always obtain a Return Material Authorization (RMA) before shipping back any unit.
- ✘ **Do Not Operate a Damaged Unit:** Visually inspect for shipping damage before use and report issues immediately.
- ✘ **Do Not Mix Control Modes Simultaneously:** Thermostat and humidistat modes cannot run at the same time—only one may be active.