



Helios FAQ

Q: What is the Helios?

A: The Helios is a VAV diffuser – VAV means variable air volume- the same type of product as the T3SQ.

Q: Why is the Helios different than other VAV diffusers?

A: The Helios is digitally controlled but powered solely by light energy- No electrical wiring is required

Q: Does the Helios require the sun?

A: Not necessarily, ambient office light will charge the unit

Q: How much light does the Helios require?

A: The Helios requires a minimum of 100 Lux. Lux is a light energy unit- most office have lighting that exceeds 100 Lux.

Q: Does the Helios require a controller or thermostat?

A: The Helios can operate without any controls by setting the temperature set points and minimum closed position using the rotary switches on the onboard controller or a solar-powered wireless wall sensor controller can be used.

Q: Where is the Helios manufactured?

A: ASC Plant in Tarboro, NC

Q: Who at Titus is associated with this model?

A: Product is managed by Mark Costello, supported by Terminal Unit Applications Group

Q: What is the lead time?

A: 3 week lead time with 5 and 10 day QS availability. Limited quantities may be available on 5-day QS.

Q: Does anyone else make an equivalent?

A: The largest VAV diffuser competitor is Accutherm but they have no direct equivalent. They do have a thermal unit, but it's not digital. They have a digital version, but it requires wiring. The Helios is a Titus-Only model.

Q: Is the Helios ready to be installed right out of the box?

A: Yes, the control board is fully charged during factory check out. In the box, the Helios will remain charged for months.

Q: How long will it take to fully charge a completely drained capacitor?

A: Depending on the intensity of the light source, 30 minutes to 3 hours.

Q: How long will the installed Helios store power in the dark or without charging?

A: The Helios will retain a charge for up to 30 days.

Q: How do I know the Helios is working?

A: The red light on the control board will intermittently flash (about every 5 minutes) to indicate unit is working



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Q: What is the postmaster?

A: The postmaster plugs into a wall outlet and facilitates communication between the wall sensor and diffuser(s)

Q: What is the operational range between the postmaster and other devices?

A: 100 feet with typical office interior walls

Q: How many devices can be linked to a postmaster at one time?

A: 16 devices, which would typically be 15 diffusers and one Wall Sensor

Q: Will the Helios lose its link if the postmaster becomes unplugged?

A: When the postmaster is powered again, it will reestablish the links with previously connected devices.

Q: How do I unlink the Helios from a postmaster?

A: Pushbutton un-pairing- see the IOM.

Q: What are the factory set points?

A: Standalone temperature settings are 72-75°, minimum damper position 10%

Q: How do I change the set points?

A: Rotary switch on the diffuser control board, or wall sensor adjustment

Q: How do I reset the postmaster to factory default?

A: Press and hold set button for 10 seconds

Q: What is the Helios, postmaster life expectancy?

A: 10 years minimum

Q: Can a Helios and Wall Sensor be connected to multiple postmasters?

A: No. A wall sensor and Helios can only be paired with one postmaster

Q: Can the Helios earn LEED credits?

A: Specific products do not earn LEED credits. There are some products that can be applied in ways to earn credits if they do something like reduce energy and it can be proven. A product like Helios could possibly earn an Indoor Environmental Quality (EQ) credit for 'Thermal Comfort' by providing individual comfort control to occupants in individual offices within a multiple office zone.