



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: No. Helios is designed to work in artificially lit interior office spaces as well as exterior solar lit offices.

Q: How much light does the Helios require?

A: The Helios requires a minimum of 120 Lux to operate. Lux is a light energy unit - most offices have light levels exceeding 120 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 supported by the Terminal Unit Applications Group.

Q: Does anyone else make an equivalent?

A: There is no direct equivalent on the market. Some competitors have units that are thermally actuated, but not digital. There are also digital versions on the market, but those units require 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, 3 - 8 hours.

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

A: The Helios will retain charge for 3 - 4 weeks.

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: 90 feet with typical office interior walls.

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

A: Up to 10 diffusers can be connected to 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.