



Important product information

Delta 1-16 upgrades Implementation – June-October 2015

Product updates

Calorex has engineered a number of significant improvements to the Delta range of machines that can be summarised as follows:

- PLC control with 7" touch screen customer interface
- Remote monitoring/control via internet connection
- Speed controllable EC/inverter fans in all models
- Increased pool water LPHW heat exchanger sizes
- Increased efficiency
- Outside air damper installed within cabinet

Implementation dates:

Delta 1 to 8 – June through to July

Delta 10 to 16 – August through to October

PLC control with 7" touch screen display

PLC control provides a more flexible approach to system management that allows various functions of the unit to be controlled more closely. The unit can now be controlled and adjusted on site to:



- Match fan speeds precisely to ductwork resistance
- Automatically vary exhaust fan speeds to match building load requirements
- Provide remote connectivity through an appropriate internet connection
- Provide more comprehensive system interrogation
- Provide more attractive, comprehensive and simple to use customer controls
- Offer more features as standard that were previously optional
- Data log the units performance and create service records that are stored electronically within the machine

Remote monitoring/control

All Delta units will be supplied with an Ethernet connection that can be connected to an internet hub (not supplied). This will allow the user to:

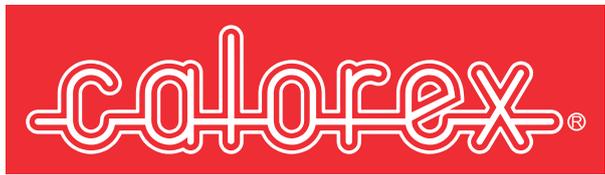
- Read actual conditions on site
- Remotely interrogate the unit for faults
- Adjust set points, set back periods and fan speeds



Direct drive EC/inverter fans

The new Delta range will feature these fans as standard, which are adjustable on site and provide more available external static pressure capability than was previously available.

The new fans are approximately 20% more efficient and, due to the ability to adjust and control fan speed based upon demand through the PLC controller, overall system efficiency will improve by up to 40% based upon demand through the PLC controller, overall system efficiency will improve by up to 40%.



Increased pool water LPHW capacity

Delta 1 to 12 will now feature low pressure drop plate heat exchangers with 50% more capacity than current units.

Delta 14 and 16 will retain their current design.

Outside air damper repositioned

There is now no longer an exhaust air damper as the exhaust fan will balance building pressure and exhaust air quantities through the PLC control that will modulate its speed.

The outside air damper has been moved to within the cabinet and will be controlled in synchronisation with the exhaust fan via the PLC controller.



Optional extras that are now standard

The new PLC control logic has enabled us to integrate as standard a number of features that are currently optional

- Frost protection
- Fire alarm override
- Remote on/off
- Remote volt free “run” and “fault” signals
- Remote air damper control
- Party mode
- Summer mode switch to heat pool only



Summary

Delta has undergone a major series of revisions that provide:

- Easier commissioning
- Enhanced and easier to use customer and service control interfaces
- Lower power consumptions, creating higher efficiency
- Improved aesthetics

We hope you share our excitement in the launch of these important upgrades.

For more information and full technical specifications please contact the sales team at sales@calorex.com or for export sales export@calorex.com



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