

iCON® Modules for SELV 12V Fan Range Installation and Operating Guide



PCS – 72573603
 PCTS – 72574204
 DTS – 72682307
 HTS – 72574203
 PRTS – 72574203
 PRHTS – 72574201

Modules available for iCON SELV 12V Fan Range

Airflow® iCON® SELV fans can be controlled by optional control modules. For the SELV 12V range you can choose between six modules.

Part no.*	Model	Description	Wiring diagram
72573603	PCS	Pull cord (on/off) pull cord (latching)	A
72574204	PCTS	Pull cord timer (pull cord start, run on timer) timer overrun (1-30 min), pull cord (momentary)	A, B
72682307	DTS	Delayed timer (delayed start, run on timer) externally switched (live trigger), timer overrun (2-45 min), delayed start (2 min), pull cord (latching)	A, B
72574202	HTS	Humidity timer (pull cord/humidity start, run on timer) externally switched (live trigger), timer overrun (1-30 min), humidity control (40-90% RH), pull cord (momentary)	A, B
72574203	PRTS	PIR timer (motion start, run on timer) externally switched (live trigger), timer overrun (1-30 min), motion sensor (passive infra-red)	A, B
72574201	PRHTS	PIR humidity timer (pull cord/humidity start, run on timer) externally switched (live trigger), timer overrun (1-30 min), humidity control (40-90% RH), motion sensor (passive infra-red)	A, B

* For blister pack add "B" at the end of part number.



SAFETY FIRST: ALWAYS ISOLATE THE FAN UNIT FROM THE POWER SUPPLY BEFORE DOING ANY WORK ON THE FAN/MODULE.



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Electrical installation

All electrical installation must be carried out by an approved electrician in accordance with Approved Document Part P of U.K. Building Regulations and to the latest IET standards, or the appropriate regulations in the country of installation (for fan installation see the iCON SELV 12V Fan Range Installation and Operating Guide).

Diagram A - module wiring with no external switching (module functionality / pull cord activation only):

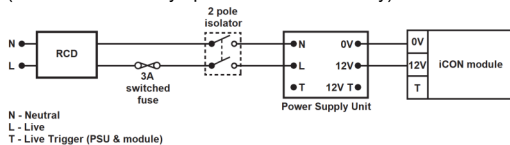
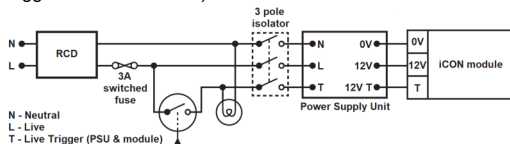


Diagram B - module wiring with external switching (live trigger connection used):



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Mechanical installation

To install the module in an iCON fan follow the instructions below. See page 5 for instructional drawings.

1. Remove the fan front cover (see page 7).
2. Lift the fan electrical terminal away from its mounting pillars and position on the module connector pins. Tighten the two screws with a suitable screwdriver. Ensure the leads are under the module retaining cable clamp.
3. Fit the module at a slight angle into the fan housing, ensuring that the locating slot is fully engaged in to locating block on the fan.
4. Push the module against housing, ensuring the module clip holds it in place (clicks at the cable clamp). With iCON 15 & 30 the terminal will reposition back over mounting pillars.

For modules with pull cords: Ensure that the pull cord is properly located within the cord slot at the bottom of the fan.

For modules with PIR control: Remove the oval logo cap fitted at the bottom of the front cover of the fan. Replace it with translucent lens supplied with the PIR module. Note: The lens must be replaced in order for the PIR module to function properly. Ensure the orientation of the lens is correct (i.e. the lens should be flush with the surface).

Connecting mains cable into the module

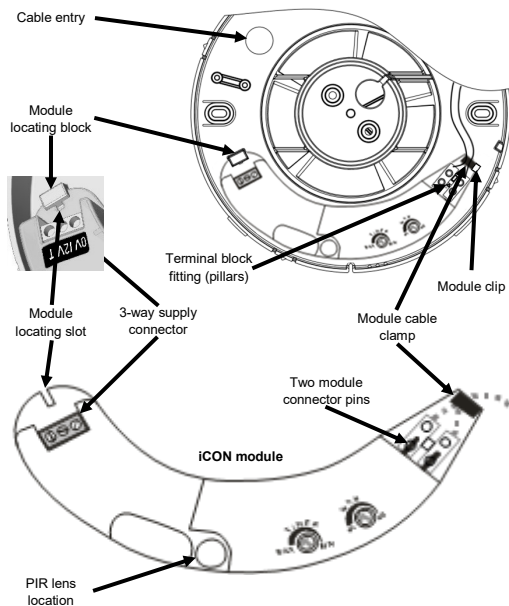
Connect the 12V Power Supply Unit cable to the 3-way supply connector block (see wiring diagrams on page 3) ensuring that the supplied cable clamp is fitted. Refit the front cover.

Note: When using DTS module on initial connection the fan will start immediately and continue running for the duration set on the timer function of the module.

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Mechanical installation

iCON module overview.



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Module adjustment

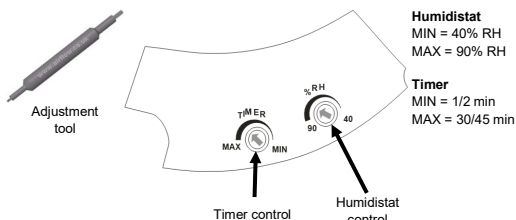
A module with Timer and/or Humidistat is supplied pre-set, but may be adjusted by the installer. All adjustments must be done using the supplied Adjustment Tool.

Humidity settings

The humidistat is factory pre-set at approx. 70% RH (relative humidity). Adjusting the “% RH” towards 40% will result in fan activation at lower humidity (more sensitive). Adjusting the “% RH” towards “90%” will result in fan activation at higher humidity (less sensitive).

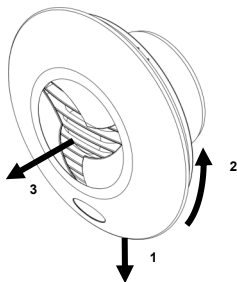
Time settings

The overrun timer is factory pre-set at approx. 15 min. Adjusting the “Timer” towards “MIN” will result in a timer overrun decrease towards 1/2 minutes (depends on module). Adjusting the “Timer” towards “MAX” will result in a timer overrun increase towards 30/45 minutes (depends on module).



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Front cover removal



To remove front cover assembly, first make sure **the fan is off, isolated from the power supply and the iris shutter is fully closed.**

1. Undo the locking screw at the bottom edge of the cover using a screwdriver.
2. Rotate the cover a few degrees anticlockwise until it clicks out from the fittings.
3. Remove the cover by pulling it out.

To refit the cover, reverse the above procedure. The iris shutter should be in closed position after refit. If not, wait approximately 1 min after fan switch off allowing the actuator to retract back in the closed position and then refit the cover again.

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Warranty

Applicable to units installed and used in the United Kingdom.

Airflow Developments Ltd guarantees the iCON range for 3 years (incl. modules) from date of purchase against faulty material or workmanship. You can register your warranty on-line (for more information check at www.airflow.com). Warranty only covers the product, not a reinstallation if required.

For detailed standard warranty terms and conditions see our website or contact Customer Service.



Disposal

Do not dispose of with household waste.
Please recycle where facilities exist.
Check with your local authority for recycling advice.

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