

Daikin AHUs

CONTROL PANELS AND ACCESSORIES



The control panels for the Daikin VAP and VAW are supplied to complete our AHU solutions.

CONTROLS PHILOSOPHY

The pre-programmed controller can be configured in the field to provide either supply air temperature control or return air temperature control, all sensors are included.

FUNCTIONS

- External ambient temperature measurement
- Free cooling operation
- DX Cooling (where applicable)
- Heat recovery thermal wheel or plate heat exchanger (where applicable)
- LPHW or Thyristor EHB Heating coils – proportionally controlled
- Filter dirty alarm contacts
- Remote on/off contacts
- Heater and DX cooling trip indication
- Fan motor overload trip indication
- Inbuilt time clock
- Fire shutdown signal
- Fireman's switch – smoke extract only (heat recovery models only).

By using the option adapter PCB DTA103A51 – This panel can provide on/off and run/trip Indication to the following Daikin control networks:

- Daikin IntelligentTouch Controller
- Daikin Intelligent Manager
- BACNET
- Lon Gateways.

THE VAP PANELS ARE DESIGNED FOR INTERNAL MOUNTING

Wall mounted panel with a single door, manufactured to IP55 rating at sheet steel enclosure with either top or bottom undrilled cable entry gland plate and external mounting brackets.

THE VAW PANELS ARE DESIGNED FOR EXTERNAL MOUNTING

Wall mounted panel with a single door, manufactured to IP65 rating at GRP enclosure with bottom entry undrilled cable entry gland plate and external mounting brackets.

ALL PANELS ARE COMPLETE AS INDICATED BELOW

T,P and N. Door interlocked isolator, red spot HRC control fuse, 'Panel live' indicator light, 230 - 24v transformer, 3 Phase DOL starters for supply and extract fans (where fitted), 24v DC PSU, 'XD26S' custom pre-programmed PLC controller with 'PWM' 0 - 10 V Converter.

The control panel is supplied with all components as necessary for field installation and wiring on site by others to complete your AHU installation.

Dependant on the model, we will supply as required all temperature probes, damper motors, 3 port valves modulating actuators as required.

FOR UNITS WITH ELECTRIC HEATERS

We will supply a separate Thyristor Wall mounted panel manufactured to IP55 rating which are constructed of either sheet steel or GRP. The internal steel panel comes with either top or bottom undrilled cable entry gland plate, the external GRP panel comes only with bottom undrilled cable entry gland plate. Panels are complete with external mounting brackets. The Thyristor has been designed to take the load of each specific AHU unit and these panels have a cooling fan with inlet and outlet filtered vents the panels for the VAW units come complete with rain protection covers.

SPECIFICATION OF PANELS

	RANGE	COLOUR	CONSTRUCTION	HEIGHT	WIDTH	DEPTH	WEIGHT
Control	VAP	RAL7035	Steel	800mm	600mm	300mm	76kg
Control	VAW	RAL7035	GRP	835mm	635mm	300mm	60kg
Thyristor	VAP1750/3000	RAL7035	Steel	400mm	400mm	210mm	25kg
Thyristor	VAW1750/3000	RAL7035	GRP	535mm	435mm	230mm	20kg
Thyristor	VAP4000-9000	RAL7035	Steel	600mm	400mm	210mm	25kg
Thyristor	VAW4000-9000	RAL7035	GRP	750mm	550mm	350mm	20kg

The panels are manufactured to conform generally to 'BS EN 60439-1' the internal wiring is to the New Harmonised Colours as set out in Amendment no2 to 'BS7671:2001' all wiring will be in accordance with BS6231 colour coded cable with all ends crimped and ferruled and will be CE marked.



Authorised User No. 00061

Visit www.eca.gov.uk/etl and type 'Daikin' in the quick search box for details of the latest ECA qualifying Daikin units

www.daikin.co.uk

Daikin products are distributed by:



Daikin units comply with the European regulations that guarantee the safety of the product.

Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

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