

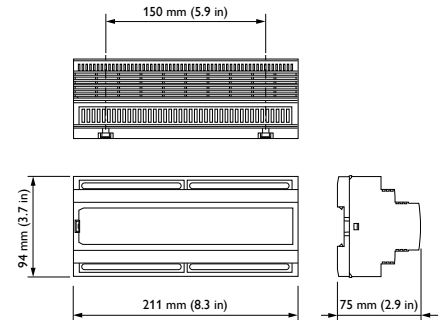


# DDFCUC024 Fan Coil Unit Controller

## Direct connection to air conditioning systems

The Philips Dynalite DDFCUC024 is a fan coil unit controller designed for direct connection to components commonly found in air conditioning systems. Triac outputs are provided for controlling hot and cold water valves, relay outputs are provided for driving fan motors and a high capacity relay output is available for electrical heaters.

- 0-24 V outputs — Provided for controlling hot and cold water valves.
- Relay outputs — Provided for driving fan motors.
- High capacitance relay — Provided for use with electrical heaters.
- Inputs for resistive temperature sensors — Allows the device to use data from a networked temperature sensor, such as an Antumbra user interface.
- Programmable auxiliary inputs — Provided for use with peripheral devices including smoke detectors, motion detectors, window open/close sensors, airflow detectors, drip trays, dirty air filters and hot water on cold valve.
- Networkable — Can be networked with other equipment including Philips Dynalite user interfaces, via an on-board RS-485 DyNet port.



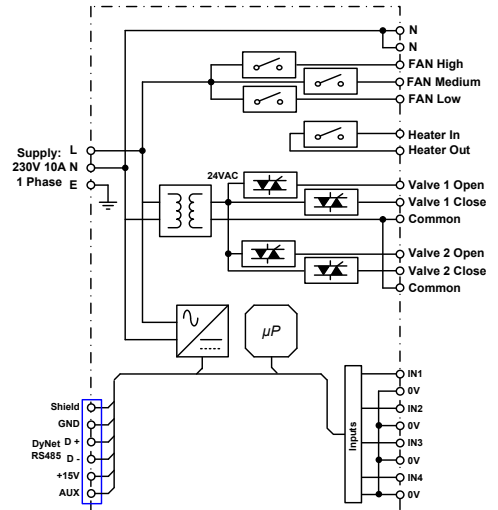
For detailed product information, please refer to the product information pages at [www.philips.com/dynalite](http://www.philips.com/dynalite) and follow the links.

## Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Electrical	Input Voltage	230V ± 14% 50 / 60 Hz single phase @ 10 A
	DyNet DC Supply	12V @ 120 mA
Control	Outputs	1 x dual triac 24 VAC output for open/close or floating hot water valve 1 x dual triac 24 VAC output for open/close or floating cold water valve (Combined load from hot and chilled water valve outputs must not exceed 4 VA max) 3 x 230 VAC relay outputs for high/med/low fan control
	Temperature Sensor Input	20 K NTC (networked temp sensors also supported)
	Dry Contact Inputs	Three programmable for devices including; window sensor, motion detector, airflow detector
	Control Inputs	One RS-485 DyNet serial port
	User Controls	Service Switch Diagnostic LED
	Physical	Supply Terminals
Physical	Output Terminals	Hot water valve: common, open, close 1 x 5 mm <sup>2</sup> conductor size Cold water valve: common, open, close 1 x 5 mm <sup>2</sup> conductor size Fan: Neutral, Low, Medium, High, 1 x 5 mm <sup>2</sup> conductor size
	Dimensions (H x W x D)	94 mm x 211 mm x 75 mm (3.7" x 8.3" x 2.9")
	Packed Weight	0.8 kg
	Construction	Polycarbonate DIN-rail enclosure (12 unit)
	Operating Conditions	Temperature: 0 to 40° C ambient Humidity: 0 to 90% non-condensing
	Storage & Transport	Temperature: -25 to 60° C ambient Humidity: 0 to 90% non-condensing
	Certification	Certification
Options & Ordering	Standard Product	DDFCUC024 (Philips I2NC - 913703081009)

## Electrical Diagram



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