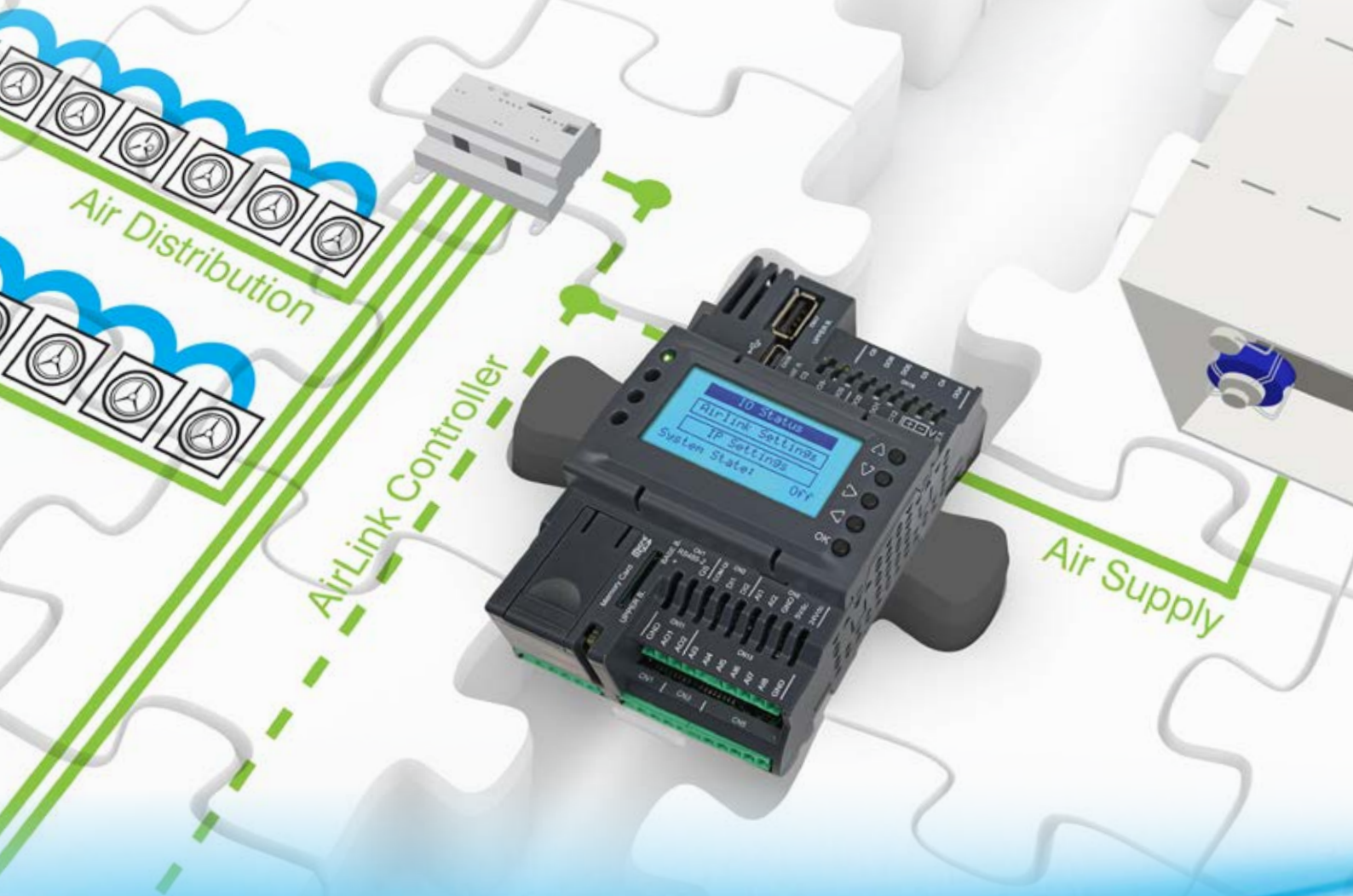


AirLink HVAC Management System

Seamless Control

from **Air Supply** to **Air Distribution**



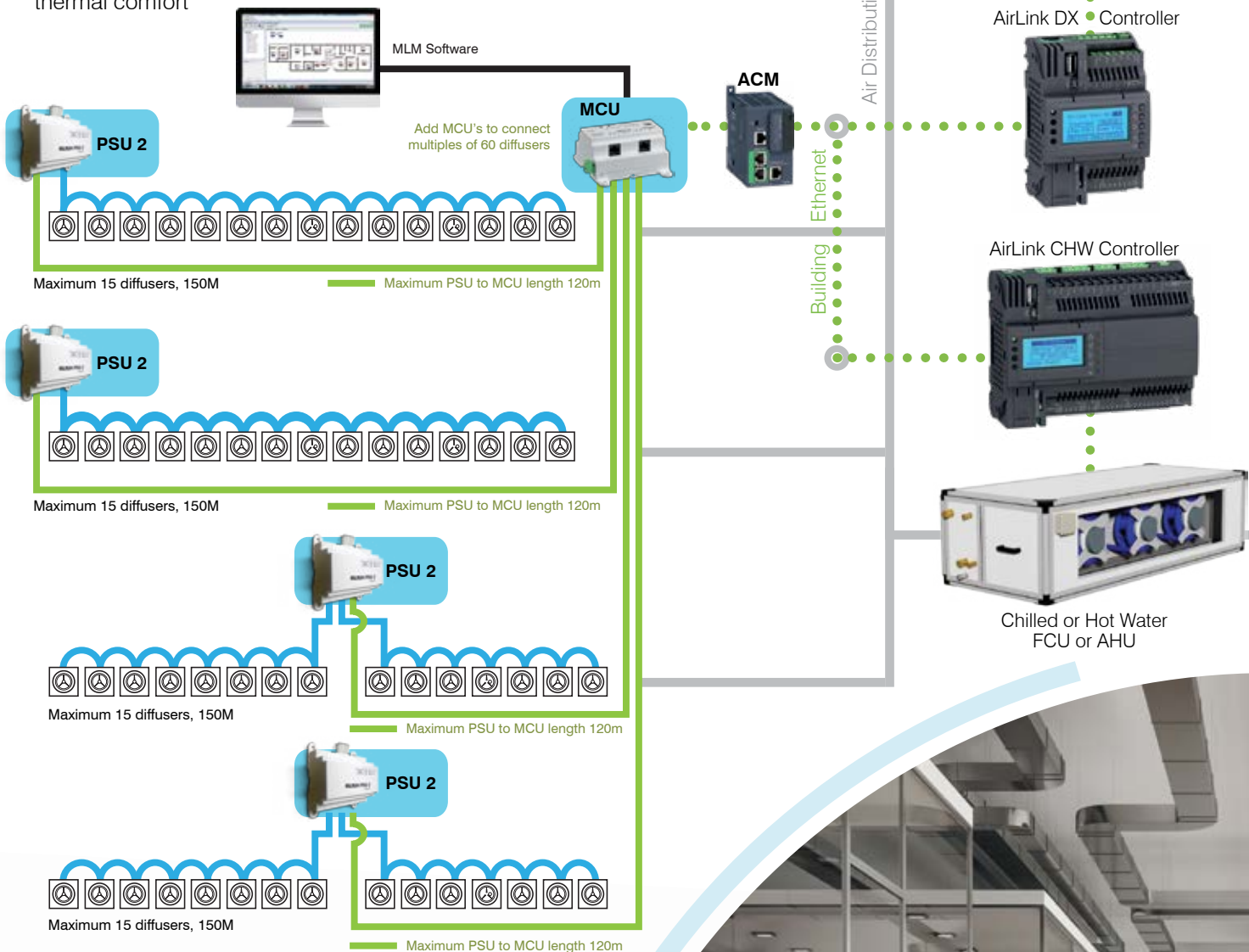
Whether it's fan coil units or air handling units, the **AirLink Controller** has been designed to eliminate the need for an expensive BMS system.



AirLink VAV System Connectivity

AirLink System with Rickard Electronic VAV Diffusers

- For areas with multiple thermal spaces such as individual offices and meeting rooms
- Better thermal zone control, duct pressure sensor required
- Variable Air Volume at the diffuser for precise thermal control and less overshoot
- Temperature control for every room
- Uses duct pressure control strategy to optimise energy efficiency and improve thermal comfort



Electronic VAV Diffusers

For smaller thermal zones such as individual offices





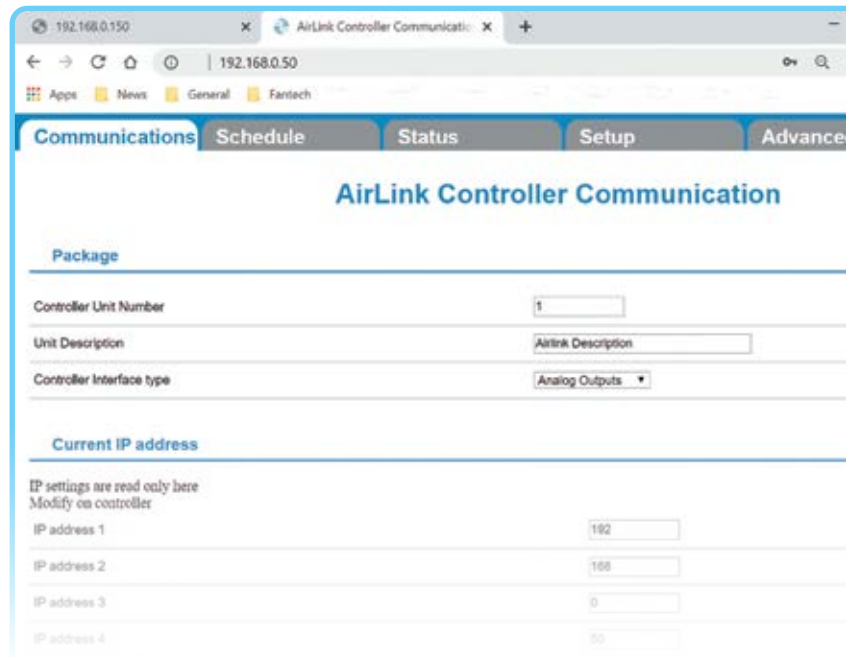
AirLink System with Constant Diffusers

- Thermal comfort control for open plan office areas
- External room thermostat with up to 4 room sensors



Reduced Onsite Commissioning Time

The AirLink controller is designed to simplify the setup of the air distribution system and reduce commissioning time onsite. Setup can be either performed at the controller itself or managed remotely via a web browser.



Constant Diffusers

Used in open plan work areas



Which **Controller** Do You Need?

The AirLink controller creates a complete HVAC management system for commercial buildings where Fan Coil Units (FCU) or Air Handling Units (AHU) are used. The controller can manage one unit and operate single or variable speed fans.

There are two controller kits to choose from depending on the type of FCU or AHU selected.

AirLink **CHW** Controller

The CHW model AirLink Controller is used with a Chilled or Hot Water Air Handling System.

- Connects to a Fan Coil Unit (FCU) or Air Handling Unit (AHU) with one thermal zone
- Used with either Constant Diffusers or Rickard Variable Air Volume (VAV) Diffusers
- On/Auto/Off with afterhours run-on timer with real time clock
- Analogue operational mode only
- Hot / Cold valve control, 3-speed or On/Off
- Variable Fan speed control or On/Off
- Inputs: 8 x analogue, 8 x digital
- Outputs: 4 x analogue, 8 x digital
- Ports: 1 x USB, 1 x USB mini
- Modbus: 2 x RS485 (screw terminal block)
- Ethernet: Modbus TCP and BACnet IP with webserver



AirLink **DX** Controller

The DX model AirLink Controller is used with Air or Water Cooled Systems that are either ducted packaged AC units or split system AC units.

- Connects to a Fan Coil Unit (FCU) or Air Handling Unit (AHU) with one thermal zone
- Used with either Constant Diffusers or Rickard Variable Air Volume (VAV) Diffusers
- On/Auto/Off mode of operation with afterhours run-on timer with real time clock
- Can be set to analogue or Modbus operational mode
- Hot / Cold valve variable control or On/Off
- Variable Fan speed control or On/Off
- Inputs: 8 x analogue, 2 x digital
- Outputs: 2 x analogue, 6 x digital
- Ports: 1 x USB, 1 x USB mini
- Modbus: 2 x RS485 (screw terminal block)
- Ethernet: Modbus TCP and BACnet IP with webserver



A Sustainable Cost Saving Control System

Fantech is committed to the ongoing development of innovative technologies that are designed to optimise the indoor environment and lower energy consumption.

In addition, the continuous increase of energy prices and efficiency requirements of NCC 2019 is driving greater demand for cost effective systems that can deliver ecologically-sound buildings. These systems are helping to create healthier and more productive spaces while providing centralised system monitoring and remote diagnostics.







AirLink (FCU/AHU) Controllers are designed to simplify HVAC management system for commercial buildings. They can be used with constant diffusers for open plan areas such as a reception area and cubical type offices in a building. The controller is also well suited to areas where small thermal zones exist, such as enclosed offices and meeting rooms. In these types of areas the AirLink controller can be used with Rickard electronic VAV diffusers to manage precise air distribution and individual comfort control. Since a thermostat is built into every Rickard diffuser, optimal thermal comfort is achieved within all areas of the building.

Key Benefits

- Easy Integration with DX air and water cooled systems, as well chilled and hot water system
- AirLink controllers can eliminate expensive BMS requirements or used as a standalone system
- Can reduce number of required fan coil units when using VAV diffusers for zone control
- Better thermal comfort control when using VAV diffusers to create smaller thermal zones
- Lowers running costs by minimizing energy consumption with less over shoot



AirLink Controller Kits & Ancillaries

Product Code	Description
DCV-ARLK-DXKIT 	AirLink DX Controller Kit: For Air / Water Cooled Systems <ul style="list-style-type: none"> • AirLink DX Controller • Duct Temperature sensor • Transformer & fuse
DCV-ARLK-CHWKIT 	AirLink CHW Controller Kit: For Chilled / Hot Water Systems <ul style="list-style-type: none"> • AirLink CHW Controller • Duct Temperature sensor • Transformer & fuse
DCV-ARLK-M251KIT 	AirLink Communications Module: Required if Rickard VAV Diffusers are installed <ul style="list-style-type: none"> • 1 Unit per 64 Controller Kits
DCV-ARLK-WPKIT 	AirLink Wall Plate Kit <ul style="list-style-type: none"> • Master On/Off • After Hours Timer Switch • Run Indicator
DCV-SENS-PSDM250 	Duct Pressure Sensor 0-250 Pa: Required if Rickard VAV Diffusers are installed <ul style="list-style-type: none"> • 1 sensor per Controller kit
DCV-TEMP-TMWM 	Wall Temperature Sensor: Required if Constant Diffusers installed <ul style="list-style-type: none"> • Up to four sensors can be used with Constant Diffusers installed



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