



Product Controller	Type	Items
	Climate Ready® EB4 D	Product Information and installation

**Description** The Climate Ready® EB4 D is a quad motor controller that operates facade element/s for eg. shading systems, ventilation systems and other motorised systems. Apart from Horiso Smart Motor Control software (basic), the EB4 D is unique with software that is shading specific ST[a]ARS (for roller blinds) and ST[a]ATS (for venetian blinds and louvers). It allows a highly precise adjustment to the shading system according to an astrophysical Solar Path Calculus. In addition to controlling 4 motors, each controller is capable of accepting 10 dry contacts or 5 switches. Optional Control Point modules allow for the addition of sensors and A/V system integration. The Climate Ready® EB4 D Motor Controller can operate stand-alone, networked and / or dynamic using BACnet MS/TP.

**Application** The Climate Ready® EB4 D Motor Controller positions facade element/s based on input from:

- Users** - wall switches or a Building Manager Software.
- Solar Path Calculus with FIM (Facade Intelligence Modelling)** - solar tracking based on building location, distance, height and facade orientation.
- Sensors** - including sun, wind, temperature and occupancy.
- BMS or A/V Systems** - BACnet MS/TP, Modbus RTU or dry contact.
- Scheduling** - any operational parameter can be scheduled to meet specific shading needs.

Technical data	
Supply voltage	110 - 240 VAC at 50 / 60 Hz (power lead with Australian plug)
Dimensions	Length - 210 mm / Width - 130 mm / Height - 80 mm
Output	4 x 240 VAC max. 3A (4 core cable with inline connector)
Data Network	BACnet MS/TP at max. 115,200 bps - (max. 127 devices per segment)
Rating	UL Certified
Environmental	0 - 55°C at 0 - 95% RH (non-condensing)
USB Connection	Micro USB connection for data connection and USB switch expansion
Switch connection	3-pin Phoenix screw terminal
Power connection	Wired supply cable with Australian plug.

## INFORMATION SHEET - Climate Ready® EB4 D - Hardwired Dynamic Motor Controller

Connectors	Connector	Connector Type	Cable Required
	Power input	Hardwired to internal detachable Phoenix screw terminals	3 conductor (2+ ground) 14 AWG max
	Motor output 4	Hardwired to internal detachable Phoenix screw terminals	4 conductor (3+ ground) 14 AWG max
	Network 2	Screw terminal	CAT 6
	Digital inputs 5	Screw terminal	CAT 6
	Universal Serial Bus (USB)	Micro USB connector	Standard USB adaptor cable

Internal LED Indicators	Name	Colour	Indication
	Power	Blue	Power is connected to the unit
		Off	Power is not connected to the unit
	Status	Red	Solid: No valid program Blinking: Error condition exists
		Off	Unit functioning normally
	Network	Yellow	Activity on the network
		Off	No activity on the network
	Switches	Yellow	Solid: A dry contact is currently closed Status light is red, switches will control on motors, otherwise switches are disabled

Buttons	Button	Function
	Up	Signals motor selected to move
	Down	Signals motor selected to move
	Bind	N/A
	Net	
	Function	Select motor channel.