



Product Controller	Type	Items
	Climate Ready® EZ1 D	Product Information and installation

**Description** The Climate Ready® EZ1 D is a one 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 EZ1 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 two shades, each controller is capable of accepting six dry contact inputs. Optional Control Point modules allow for the addition of sensors and A/V system integration. The Climate Ready® EZ1 D Controller can operate stand-alone, networked and / or dynamic using wireless BACnet over ZigBee PRO.

**Application** The Climate Ready® EZ1 D Motor Controller positions facade element/s based on input from:

- Users** - WiFi Smart Switch or Climate Ready® 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 over ZigBee PRO WiFi, or dry contact via USB hub
- Scheduling** - any operational parameter can be scheduled to meet specific shading needs.

Technical data		
Supply voltage	110 - 240 VAC	at 50 / 60 Hz
Dimensions	Length - 170 mm	Width - 50 mm / Height - 40 mm
Output	1 x 240 VAC	(max. 3A)
Digital inputs	12 max. x Dry Contacts	Input via USB Expansion Port
Data network	BACnet over ZigBee PRO	WiFi at max. 115,200 bps
Data encryption	128-bit	
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
Power connection	Hirschmann 3-pin male and female connectors.	

Connectors	Connector	Connector Type	Cable Required
	Power input	Hirschmann connector (male)	3 conductor (2+ ground) 14 AWG max + Hirschmann connector (female)
	Motor output 1	Hirschmann connector (female)	4 conductor (3+ ground) 14 AWG max + Hirschmann connector (male)
	Universal Serial Bus (USB)	Macro USB connector	Standard USB adaptor cable.

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.

Buttons	Button	Function
	Motor 1 reverse	Signals motor 1 to move
	Motor 1 forward	Signals motor 1 to move
	Bind	
	Net	ZigBee PRO.