

# SOLARAI

## EB4

The Solarai EB4 controller is a BACnet MS/TP device that independently controls 4 motorized devices in a PLUS or GROUP level control network. It is designed to control roller shades, Venetian blinds or operable louvers and vents.

The EB4 accepts up to 10 contact closure inputs which can be used to add wall switches, A/V signals, BMS inputs or any other system or device with contact closure outputs to the control network.

It is provided in a standard NEMA 1 metal enclosure.

## Features

### Scalable

Intelligence is distributed to each controller, allowing the system to scale to any size without the danger of a central point of failure.

### Programmable

Integrated USB Port allows for simple configuration.

### Ease of Installation

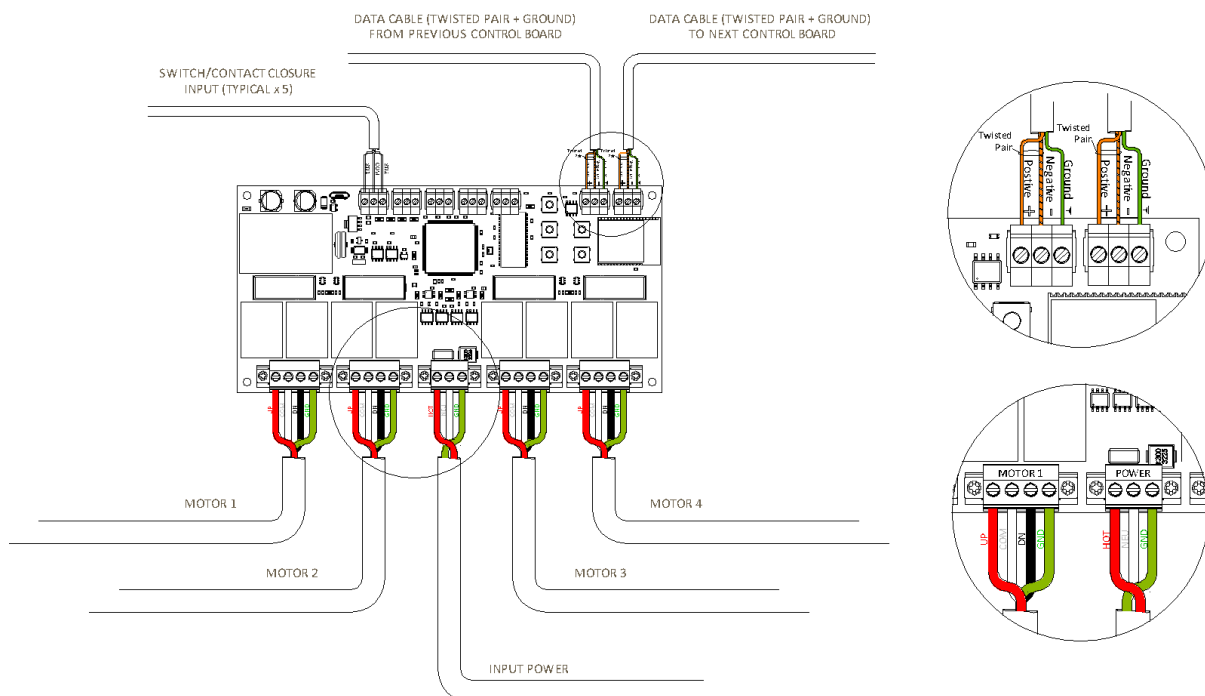
Quick connect plugs ensure fast and simple installation.

### Flexible

Allows for reconfiguration of the control system without the need to alter wiring.

### Interoperable

Native BACnet controller operates in any BACnet MS/TP network.



Feature	Description
System Type	Venetian Blinds, Roller Shades, Operable Louvres
Solarai Compatibility	PLUS Level Control, GROUP Level Control
Motor Outputs	4 Motor Output @ Supply Voltage, Maximum 15A Total
Inputs	10 Independent Contact Closures, USB
Communication	BACnet MS/TP
Integration Compatibility	BACnet MS/TP, Contact Closure
Supply Voltage	110-240 VAC at 50-60 Hz / 24VDC
Output Voltage	110-240 VAC at 50-60 Hz / 24DC Matched to Supply
Warranty	2 Year Standard Warranty - Extended Warranty Options Available
Environmental	0-55 °C (32-131 °F) 0-95% RH, Non-condensing
Certification	Certified to CAN/CSA Standard C22.2 No. 247, Conforms to ANSI/UL Standard 325
Enclosure Type	NEMA 1 - 8"x8"x4" (200x200x100mm), Custom Pre-Wired Cabinet
Network Wiring	2 Twisted Pair + Ground Suitable For RS485 Communication
Motor Output Wiring	3 Conductor + Ground cable, 10 AWG Max
Supply Voltage Wiring	2 Conductor + Ground Cable, 10 AWG Max
Max Number of Devices Per Network	127
Max Total Network Distance	2000 ft (600 m)
Environmental Certification	RoHS Compliant