

## RS485/RS232 Controller | Model: C-400-12-DS00



### Specifications

- Power Input - 5VDC to 30VDC
- RS485/RS232 Protocol Compatible
- Operating Temperature - 50° to 104°F (10° to 40°C)
- Indoor Use Only
- Dimensions - 3.5" x 1.7" x 1.36"  
(90 x 43.2 x 34.5mm)

### Description

The **RS485/RS232 Controller** is the ideal solution for standalone projects as well as the backbone of complex mesh networks.

### Operation

Once powered up, the device broadcasts its identification code waiting to be commissioned through the BubblyNet App.

### Installation

The installation of the **RS485/RS232 Controller** is very simple. Plug and play, just connect the Cat 6 cable from the shade motor into the BubblyNet Controller.

### Features

- Simple to Install
- Control for Compatible Drapery Motors
- No External Power Supply Needed
- Single RJ45 Female Connector
- Receives Single Standard Cat 6 Network Cable

### Certifications



### Applications

The **RS485/RS232 Controller** is the ideal Bluetooth Mesh Control for compatible Drapery Systems. Receiving its power from the Motor, no external power supply is needed. Drapes or blinds can be controlled by the BubblyNet App and the Q Series Keypad, as separate engraved keypads specifically for shade control or included as part of a scene with or without light control. Occupancy Sensors and Schedulers can also work seamlessly with the controller for added flexibility.

The integration, interface and testing for any special application will be quoted as a non-recurring charge.

### Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.

## Applications

Automated shade controls provide a connection to the outdoors, increasing natural light while conserving energy and reducing glare. BubblyNet shade controls enable the integration of a wide range of shades and drapery brands, freeing your design from the constraints of proprietary systems.

The C-400 Shade Controller allows for control of one or multiple synchronized shades from a BubblyNet Switch or Touchscreen, Scheduler and/or Motion Sensor.

Advanced integrations with Daylight Sensors, Gateways or GPS timekeepers so as to have the movement of the shades monitored by daylight or the position of the sun to the horizon will be quoted separately from the standard hardware.

### **FOREST** DRAPERY HARDWARE

#### **C-4FR-12-DS00**

The C-4FR-12-DS00 is a RS485 shade controller for the integration of Forest motorized shading systems supporting RS485. The BubblyNet Forest shade controller fits into the back of the Forest motor and uses a single connector for both data and power.

### **legrand**<sup>®</sup>

#### **C-4LG-12-DS00**

The C-4LG-12-DS00 is a RS485 shade controller for the integration of Legrand motorized shading systems supporting RS485. The BubblyNet Legrand Controller plugs in-between the shades and the QIS power panel. The simplicity in connection makes it easy to retrofit an existing installation.

### **LUTRON**<sup>®</sup>

#### **C-23L-12-DS00**

The C-23L-12-DS00 is a RS232 shade controller for the integration of Lutron motorized shading systems supporting RS232 in conjunction with the Lutron QSE-CI-NWK-E interface. The Lutron interface includes 100 virtual programmable buttons, enabling presets, raise/lower functionality, and custom levels.

### **Mecho**<sup>®</sup> INNOVATIVE DESIGN. TRUSTED PERFORMANCE.

#### **C-T1C-24-DS00**

The C-T1C-24-DS00 is a 0-10V controller for the integration of Mecho motorized shading systems supporting 0-10V control to the MechoNet wireless 0-10 V interface.

### **somfy**<sup>®</sup>

#### **C-43C-12-DS00**

The C-43C-12-DS00 is a 3 contact-closure shade controller for the integration of Somfy motorized shading systems supporting 2 and 3 contact-closure. This solution allows for an Open and Close presets as well as a Stop command to interrupt the shade motion at a specific position.

There are several other protocols that have been integrated to control mechanical devices such as UART and I2C. Please contact [sales@bubblynet.com](mailto:sales@bubblynet.com) to find out how we could integrate your preferred brand of shades.