IQ/485® Network Interface
Integration of Shades, Controls, and Accessories

Design with light.
The new IQ/485 Network integrates various window-covering devices with a variety of switches, accessories, or 3rd-party control systems. It also provides a hub that enables inputs for RS232-based systems, dry-contact devices, and various accessories.

In addition, there are outputs that control momentary dry-contact devices including ElectroShades® and WhisperTrac® motors.

The bus connections extend control throughout the IQ/485 Network to other IQ/485 network accessories and IQ/485 equipped controllers.

Five dry-contact output ports
WindowManagement® controls
- Control of momentary dry-contact window-treatment motors or accessories via the IQ/485 NI including WhisperTrac® draperies and motorized ElectroShades® (IQ/MLC®s and intelligent motors)
- Support of multi-level controls (independent, group, master, etc.) without the complexity of hardwiring through the IQ/485 software-control addresses.
- Eight addresses for each of the five input and output ports.
- Daisy chains up to two IQ/MLC®s for each output port.
- Each output port supports the positioning of window coverings with up to five alignment points using the IQ/MLC® control logic.

Three automation and remote control ports
Multi-zone window control
- Integration of the entire shading system through the RS232 protocol for a single point of control to a 3rd-party control system.
- IR port to promote wireless IR remote control.
- Automation of the shade control via photosensors, schedulers/timers, remote control via RF (RTS) through the accessories port.
- RS232 port provides two-way communication for shade control along with feedback of the shade position and its status.

IQ/485® bus ports
Robust communication network
- Reliable two-way communication over the IQ/485 Network.
- Capable of over 65,000 control addresses from a single network.
- Bus 1 also provides DC power for various IQ/485 bus accessories like IR eye and IQ/485 six-group keypad.
- Directly compatible with other IQ/485 products such as the IQ/485 SMC, and the six-group keypad.

Five dry-contact input ports
Switch controller
- Economical shade control through dry-contact control.
- Compatible with IQ/MLC® switches - Operates shades up to five alignment points (See Figure 1).
- Compatible with a variety of accessories, including RTS wireless control, various timer/scheduler controls, and others.
- Seamless integration with 3rd-party control systems, including Crestron®, Vantage/Legrand®, Lutron®, and other systems via contact closures.
- Programmable options for momentary and maintained inputs.
- Compatible with 3rd-party systems utilizing single-button operation of window treatments.
- Ability to control any motor connected to the IQ/485 NI through any input port.

**Figure 1. Intermediate alignment points**

<table>
<thead>
<tr>
<th>Full up</th>
<th>Full down</th>
<th>Auto set intermediate positions or custom program stops</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>25%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50%</td>
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IQ/485® Network Interface

A

Five dry-contact output ports

Includes intelligent motors
WhisperTrac®
RTS transmitter

B

Three accessory and central-control input ports

IQ/485® bus ports

IQ/485S® MC (Single-Motor Controller)
IQ/485S® MC (Single-Motor Controller)
IQ/485® Six-group keypad

C

IQ/485® bus ports

IQ/485®

5 dry-contact output ports

Accessories Port

RS232 Port

IR Port

D

5 dry-contact input ports

IQ/MLC® switch
Decorator paddle switch
A/V system
Lighting-dimming system
IQ/485® Control System Network

Key:
- Low voltage dry contact
- IQ/485™ Network
- Line voltage (120v)
- RTS Somfy® radio motor
- RTS Somfy® radio transmitter
- ILT Somfy® encoded motor
- WT WhisperTrac™ motor
- Motor