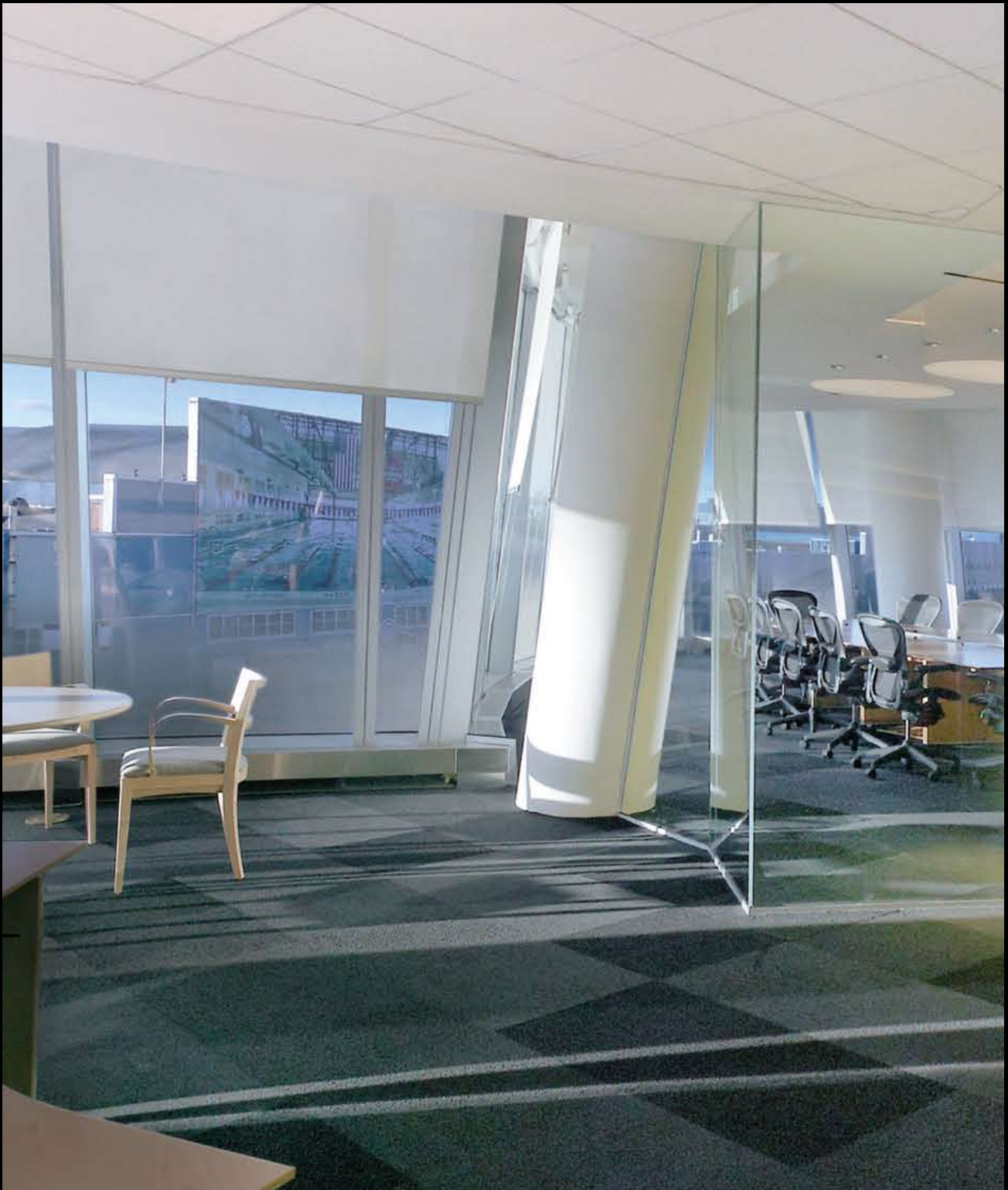


IQ/485[®] Network Interface

Integration of Shades, Controls, and Accessories



IQ/485[®] Network Interface

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.

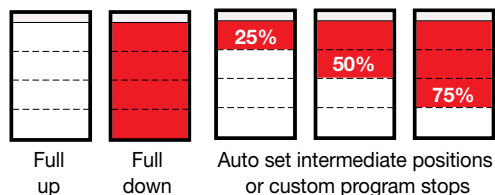
A

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.

Figure 1. Intermediate alignment points



B

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 photo-sensors, 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.

C

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.

D

Five dry-contact input ports

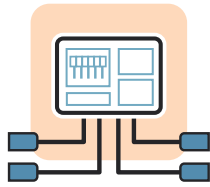
Switch controller

- 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.

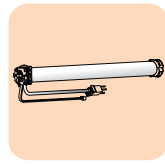
IQ/485[®] Network Interface

A

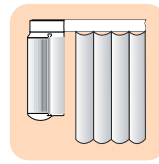
Five dry-contact output ports



IQ/MLC[®]



Includes intelligent motors



WhisperTrac[®]



RTS transmitter

B

Three accessory and central-control input ports

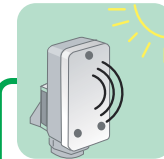
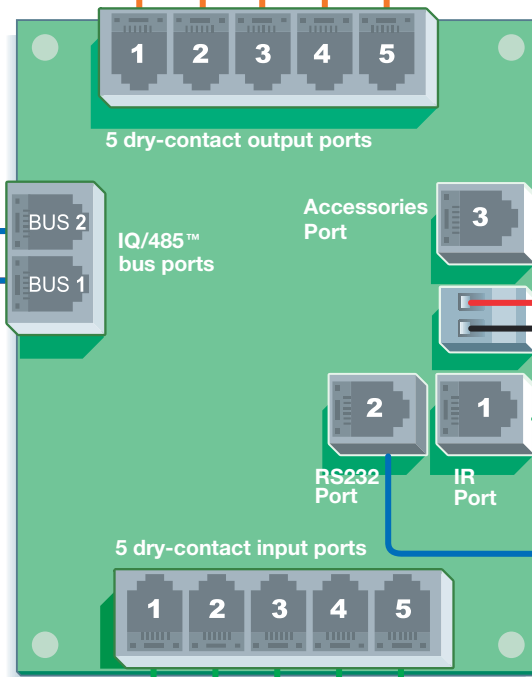
C

IQ/485[®] bus ports

IQ/485[®] MC (Single-Motor Controller)

IQ/485[®] MC (Single-Motor Controller)

IQ/485[®] Six-group keypad



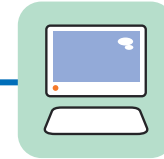
SAC (Sun-Activated™ Controller)



RTS receiver



IR receiver port



RS232 (two-way communication) PC, touchscreen

12V power input

D

5 dry-contact input ports



IQ/MLC[®] switch



Decorator paddle switch

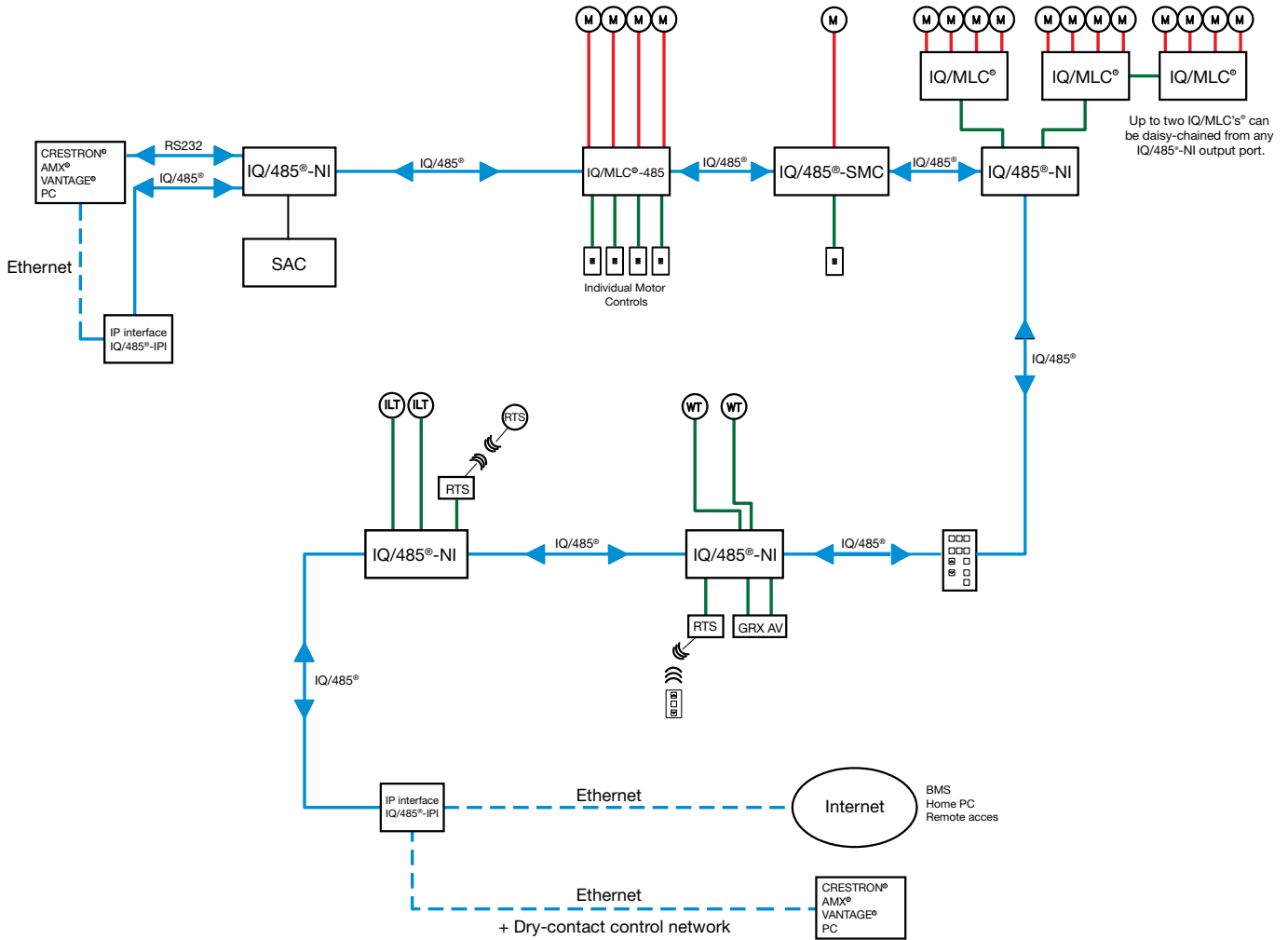


A/V system



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
- M Motor



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