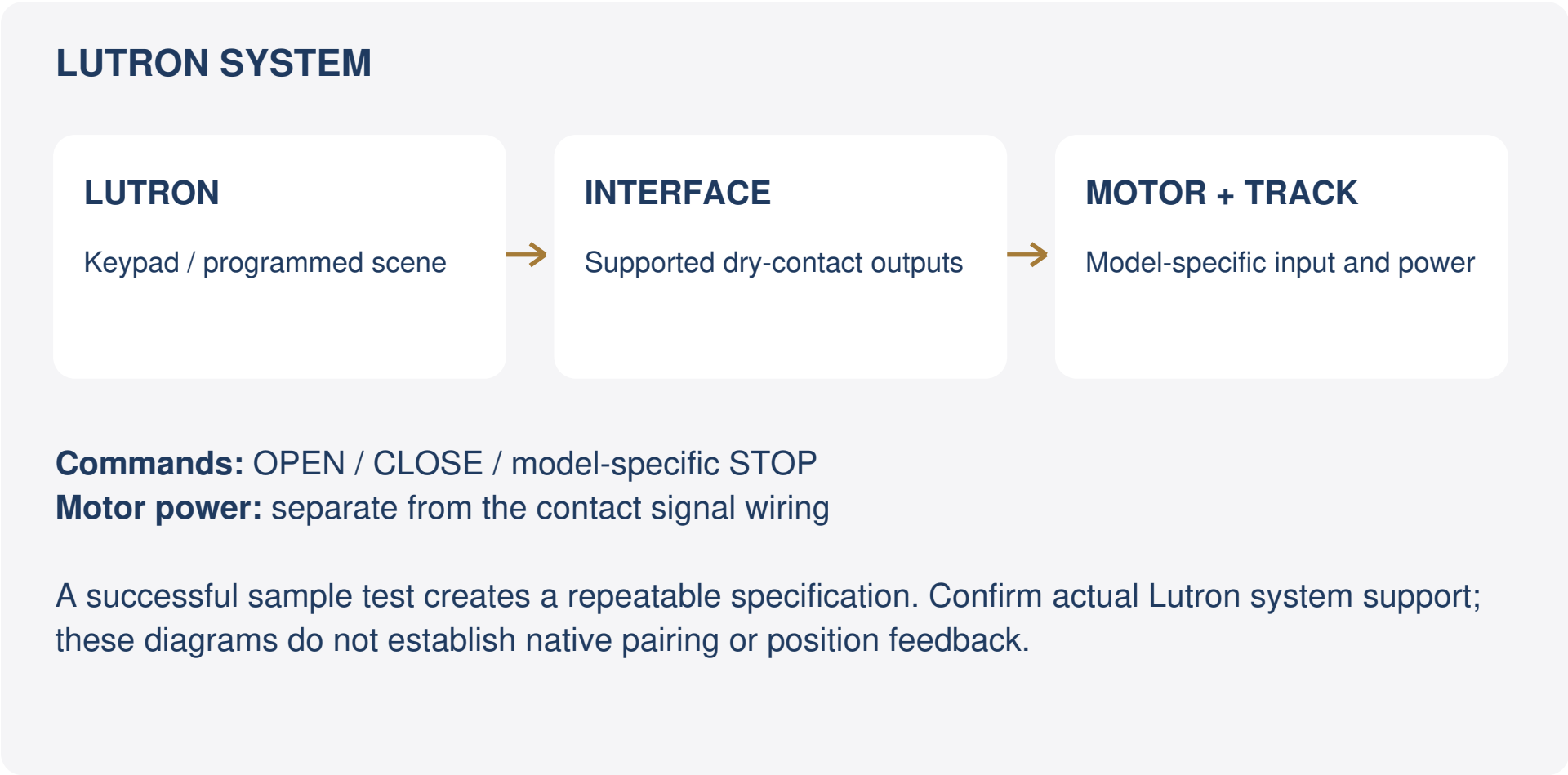
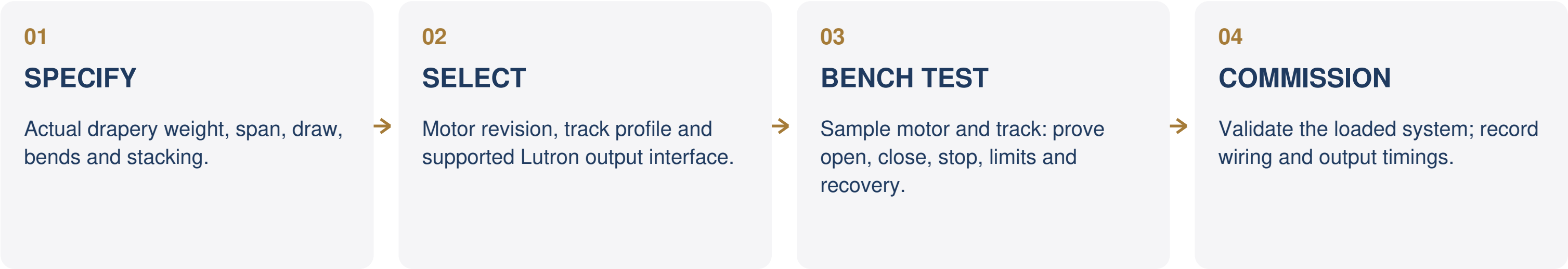


Heavy-Duty Integration Roadmap

A practical route to Lutron control for heavy draperies, long spans, theaters and engineered curved tracks.

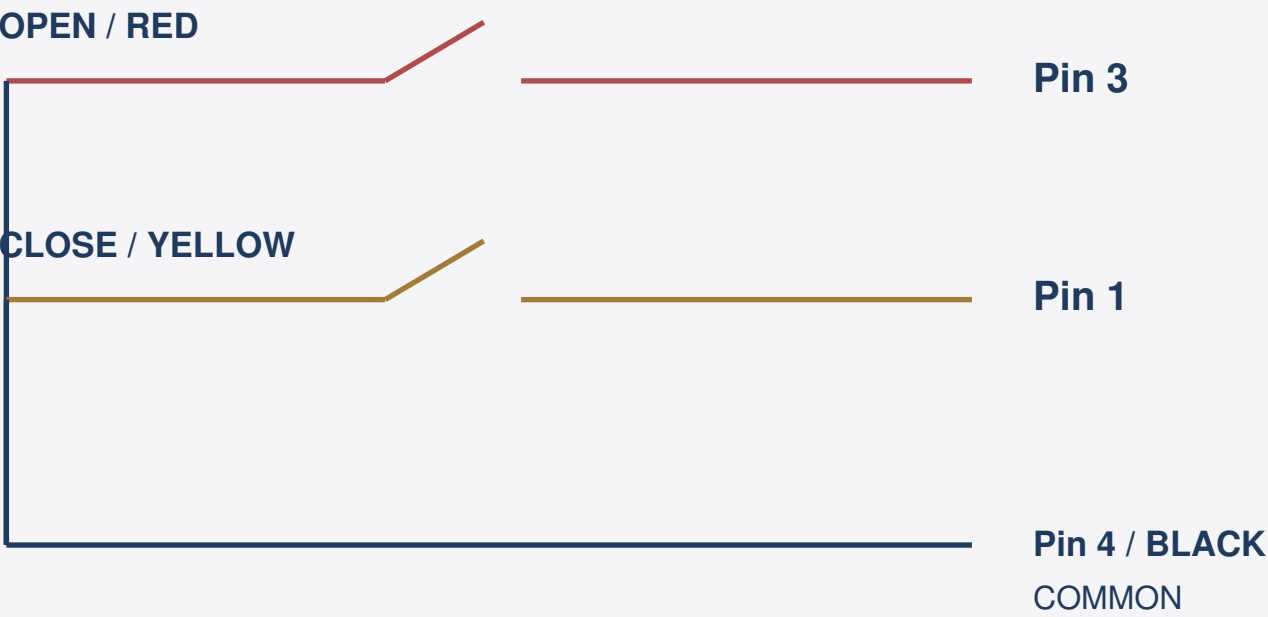


Direct-drive reference: 175 lb straight load / up to 65 ft. Curves reduce capacity; check geometry, radius, double-track spacing and fabric weight.

Heavy-Duty Dry-Contact Wiring

Model 475 direct-drive drapery reference. Potential-free control contacts send commands; motor power is separate.

FUNCTIONAL TWO-CONTACT CONTROL



STOP: after a run starts, a second action on either direction contact stops model 475. Prove the intended pulse timing on the sample motor.

RJ11 SIGNAL LEGEND

PIN 1	YELLOW	CLOSE Direction command
PIN 2	GREEN	STOP Dedicated three-contact control only
PIN 3	RED	OPEN Direction command
PIN 4	BLACK	COMMON Control return

Functional signal legend, not a physical plug view.
Use the enlarged original tab-side view in the modular wiring plate.

DO NOT COPY STOP LOGIC BETWEEN MOTOR FAMILIES

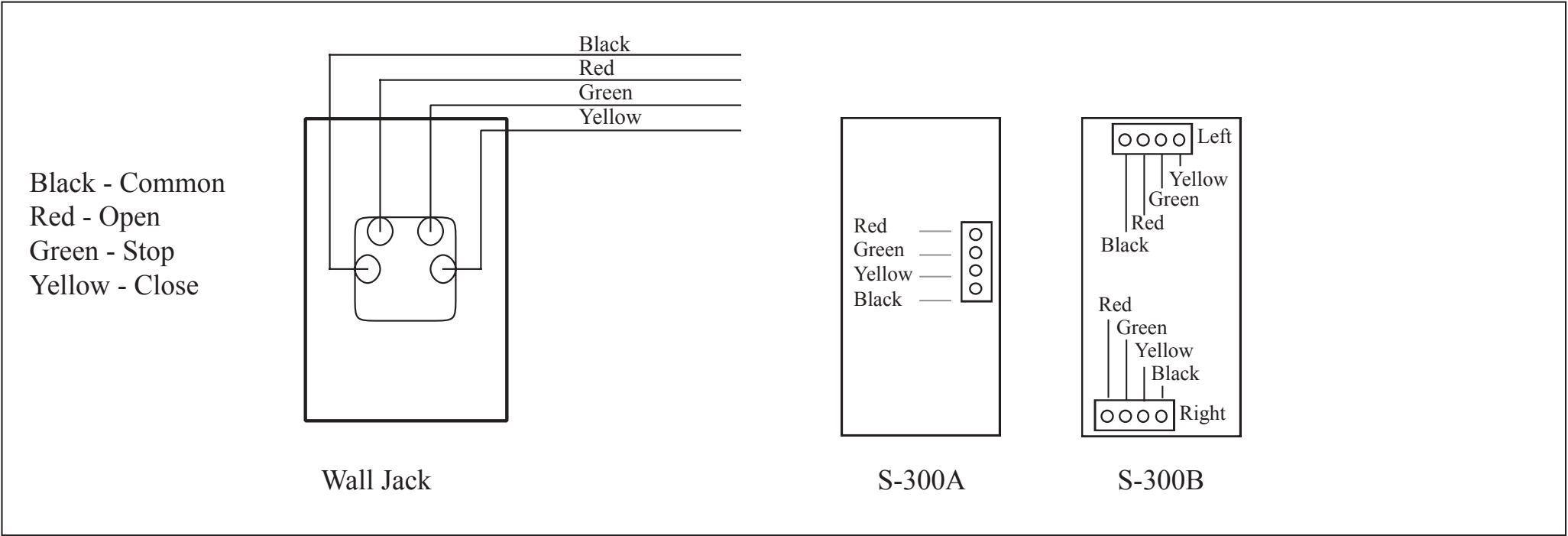
- 475 direct drive:** a second action on either direction contact stops.
- 140-S belt drive:** the supplied reference describes simultaneous open / close or opposite-direction stop.
- Other shade / progressive motors:** follow their separate pinout and stop instructions.

Pin 2 is not used in the supplied two-contact automation arrangement. Validate contacts, common, output timing and recovery before the full installation.

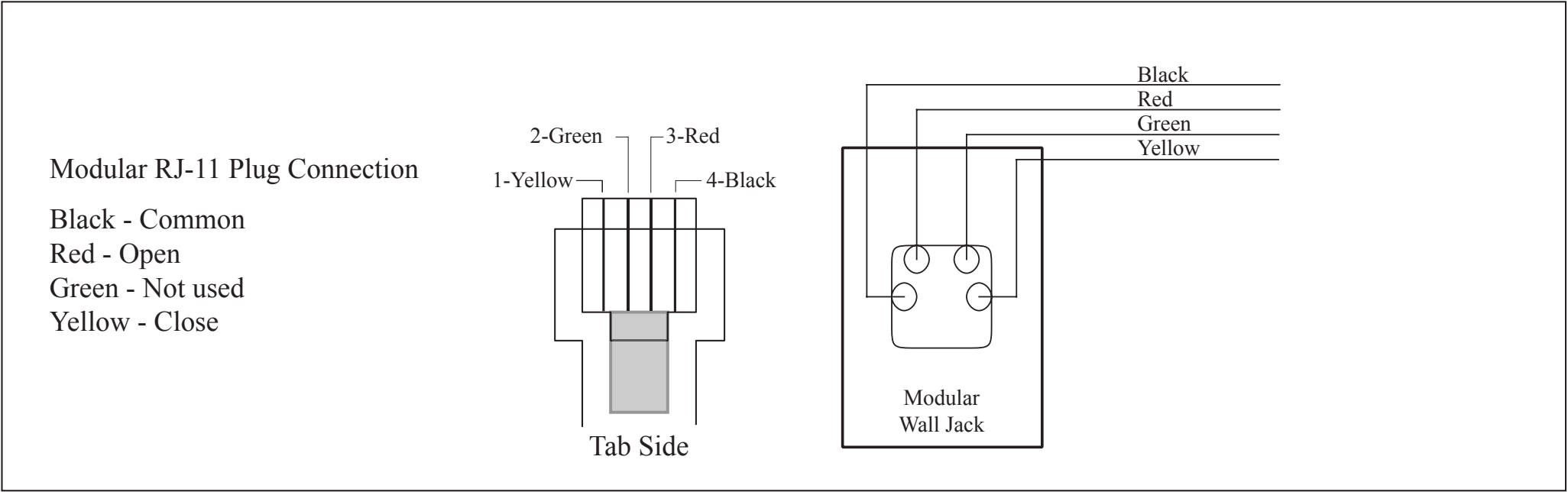
Modular Wiring - N / O

Tab-side connector views and local / automation wiring; direct-drive drapery motor family.

N. Modular Wiring for Direct Drive Motors Connecting to S-300A or S-300B Switch



O. Modular Wiring for Direct Drive Motors Connecting to Automation Control System



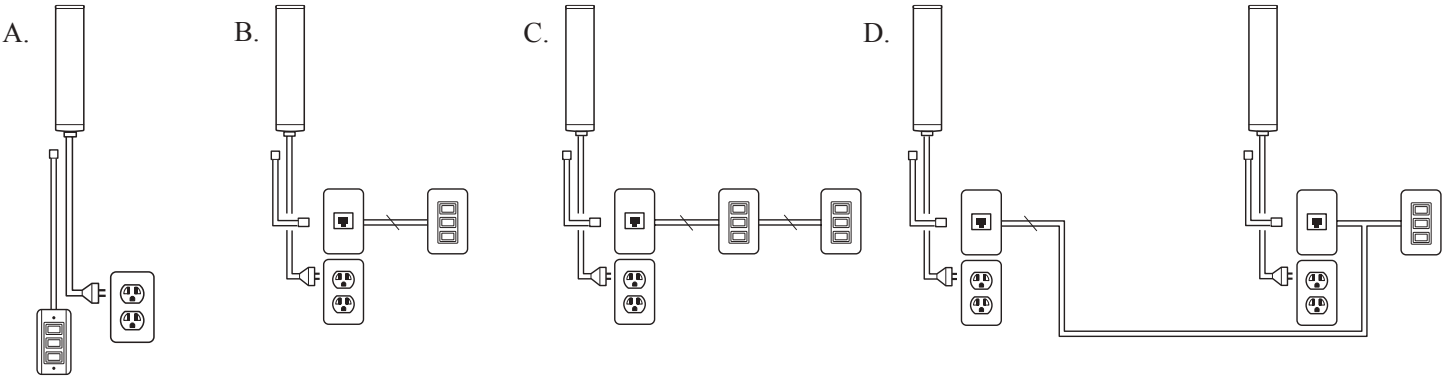
Single and Group Controls - A to I

Local, group and radio circuit alternatives. Match each diagram to its motor and receiver.

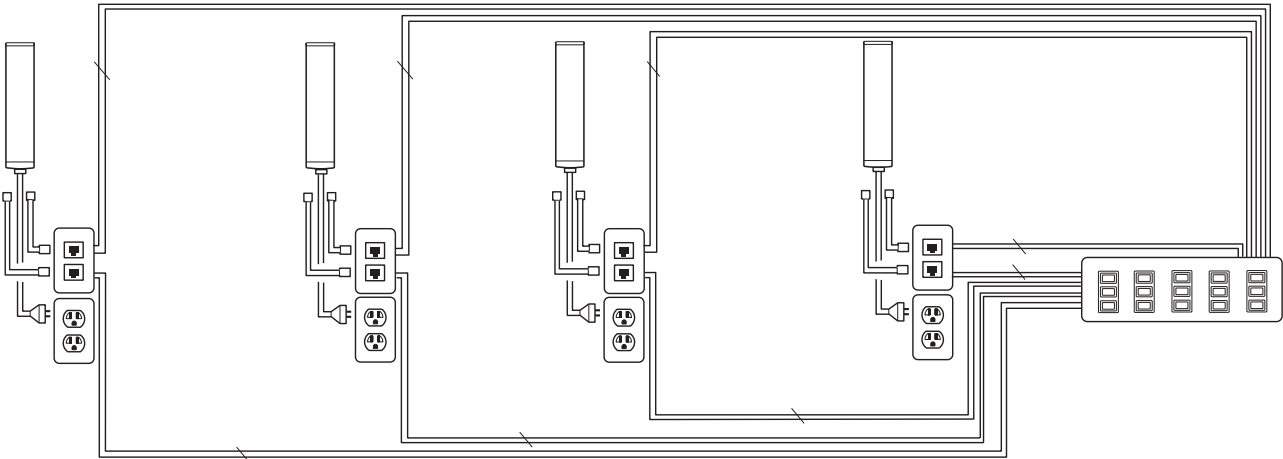
Recommend use of a Surge Protected 110 VAC duplex outlet.

- A. S-1DD Switch Individual Control
- C. Two S-300A Switch Individual Control

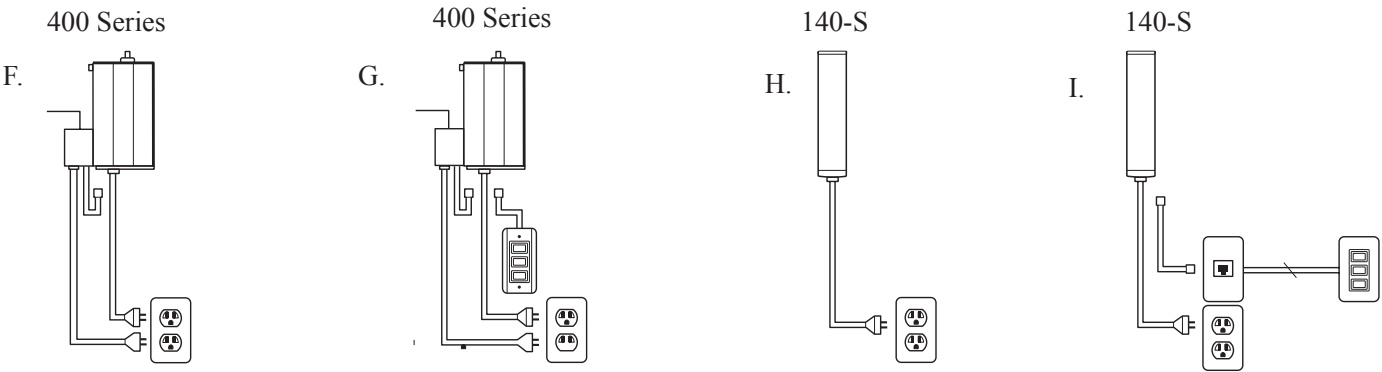
- B. S-300A Switch Individual Control
- D. S-300A Switch Group Control



- E. Individual and Group Switch Control



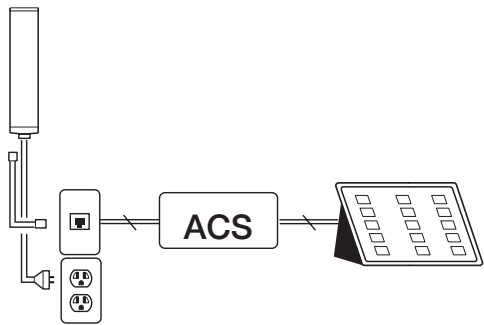
- F. Individual Radio Frequency Remote Control - 400 Series
- G. Individual Remote Control with S-1DD - 400 Series.
- H. Individual Radio Frequency Remote Control - 140-S
- I. Individual Remote Control with S-300A - 140-S



Automation and Group Controls - J to M

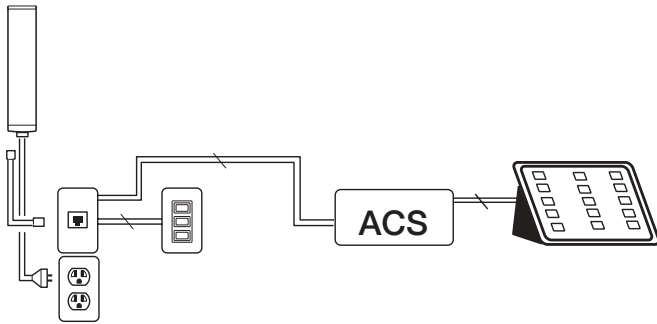
Automation, local control and grouped drapery motor wiring alternatives.

J. Automation Control System

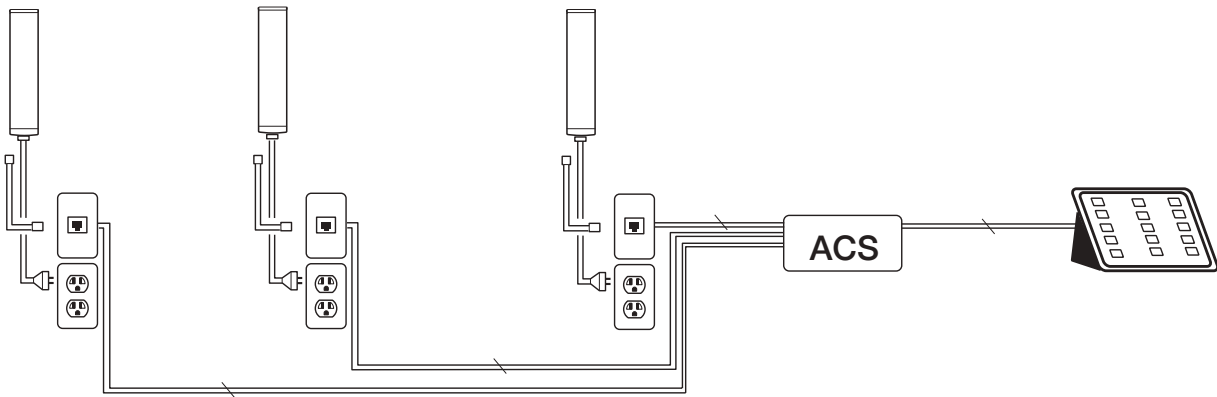


Recommend use of a Surge Protected 110 VAC duplex outlet.

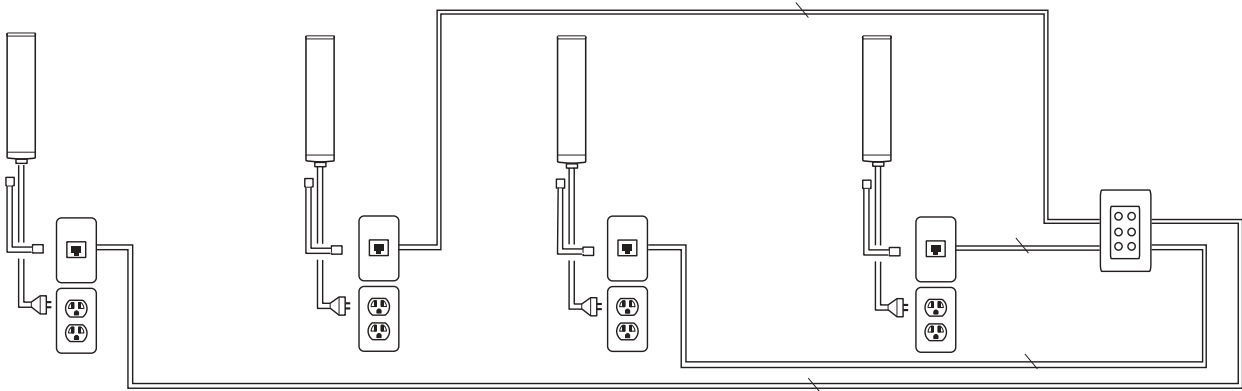
K. Automation Control System with Individual Remote Control and S-300A Switch



L. Individual and Group Automation Control System

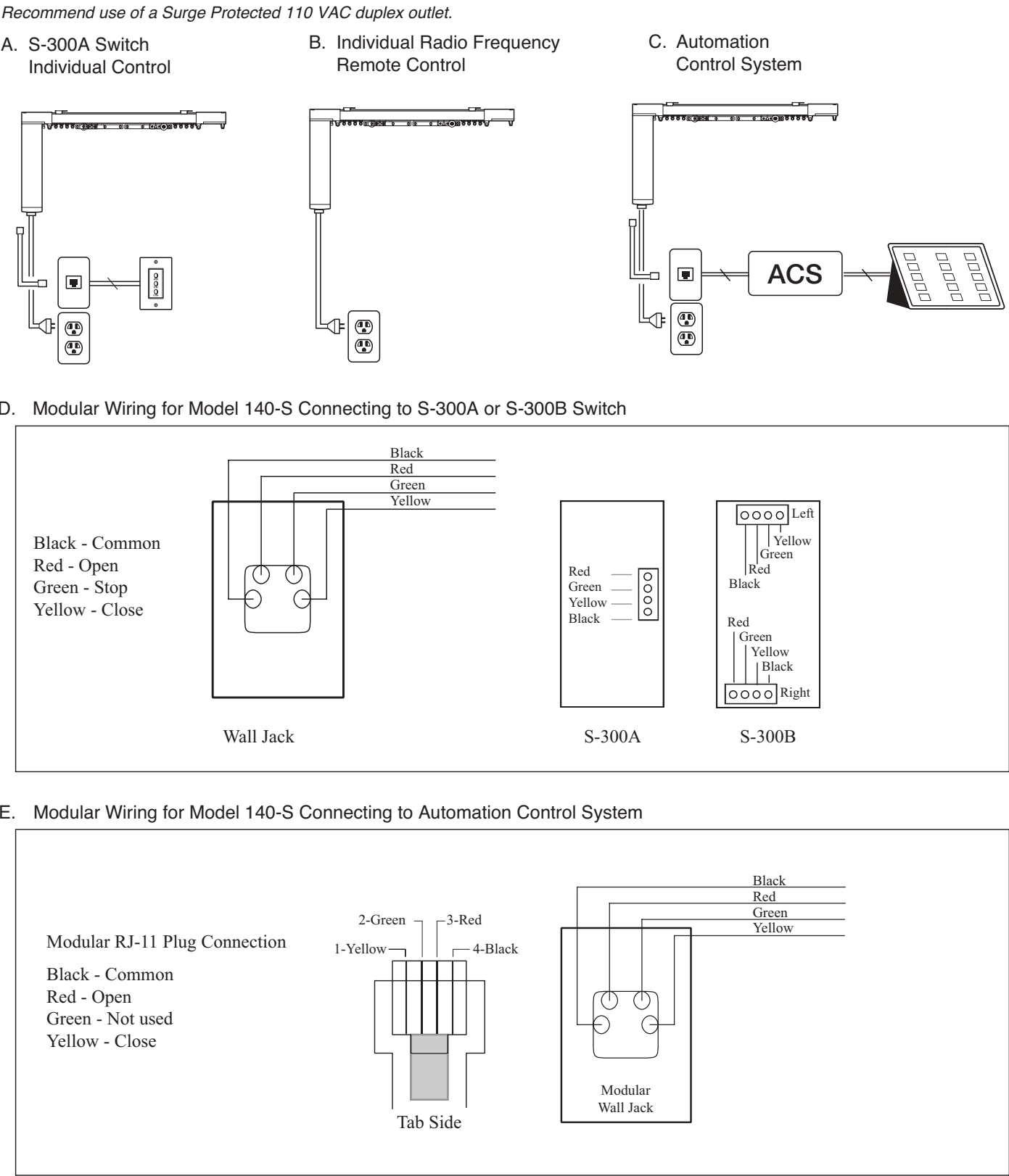


M. Double Group Switch Control with S-300B Switch



Belt-Drive Alternative - A to E

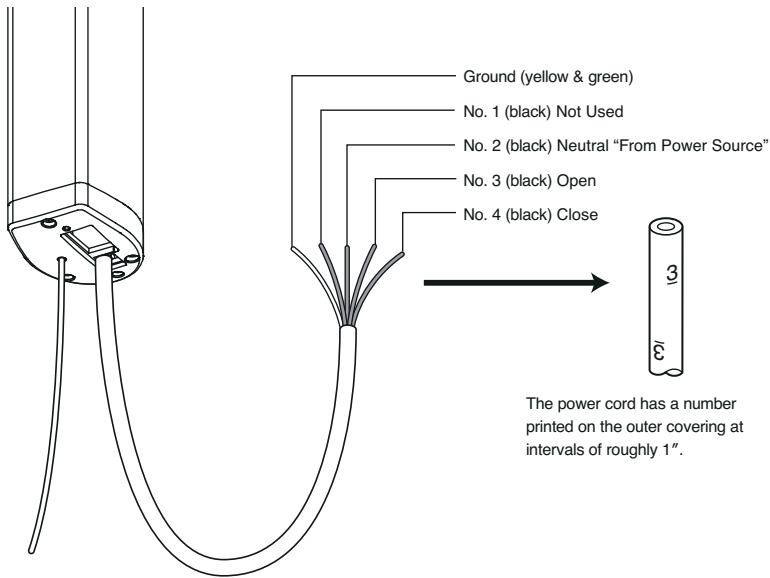
Model 140-S reference circuits. This is a separate motor family from direct-drive model 475.



Belt-Drive Alternative - F / G

Model 140-S power wiring, grounding and hard-wiring reference; use qualified installation.

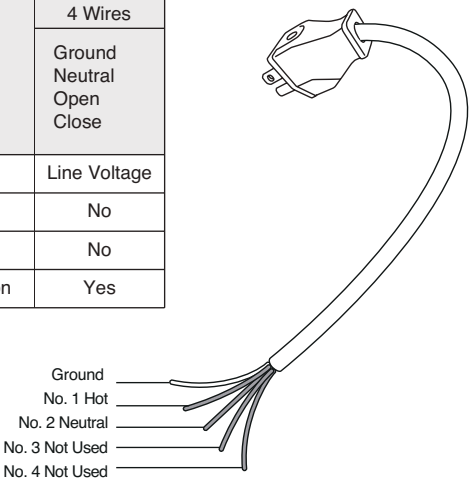
F. Line Voltage Switching Control Using 4 Wires



Operations and Connecting Diagrams

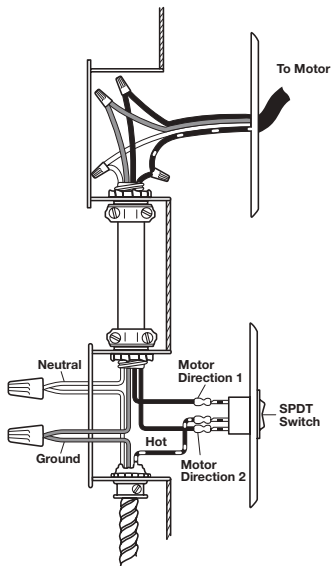
Wire	4 Wires
	Ground Neutral Open Close
Contact	Line Voltage
RF Remote	No
Slow Stop	No
Touch Motion	Yes

G. 3 Prong Grounding Plug Connection

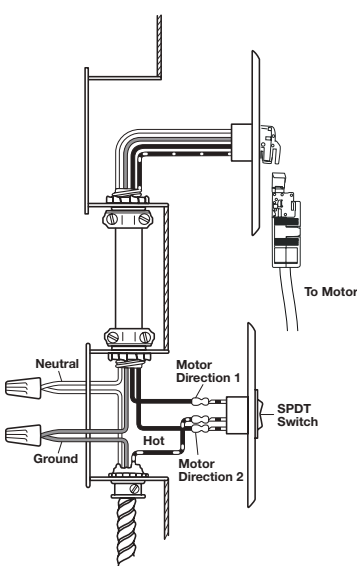


Hard Wiring (HW)

All motors come with a 4 wire 18 gauge grounded pigtail. This consists of a neutral, two directional wires, and a ground. This type of wiring is used when the motor is to be controlled by a recessed wall switch. The pigtail is connected by either hard wiring or a plug/ receptacle. A single motor is controlled by a SPDT (single pole, double throw) switch. Two motors can be controlled together by a DPDT (double pole, double throw) switch.



Standard Hard Wiring

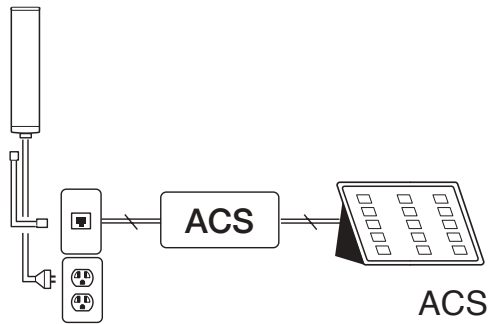


Hard Wiring with optional plug/receptacle

Automation Interface Reference

Original drapery automation circuits and model-specific stop instructions.

DRAPERIES



**MODEL 475, 140-S OR
PROGRESS 25/50/80**

When interfacing with a home theater, multi-room control system, or whole-house automation system; two (2) momentary dry contacts (switching contacts with no voltage inputted) are required for open-stop-close (two button) operation.

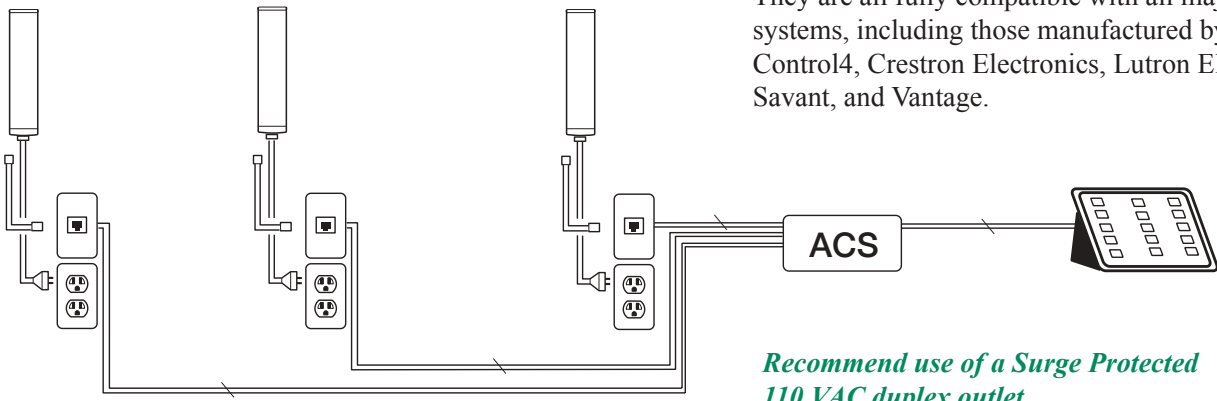
Stop Function:
For Model 140-S, close the open/close contacts simultaneously or trigger the opposite direction contact for the “Stop” function.

For Model 475, operation initiates with either the “Open” or “Close” contact, and a second action with either contact produces the “Stop” function.

For Progress 25/50/80 Ti-RF, close the open/close contacts simultaneously for the “stop” function.

All drapery motors are “*Smart Motors,*” designed with built-in logic boards.

They are all fully compatible with all major control systems, including those manufactured by AMX, Control4, Crestron Electronics, Lutron Electronics, Savant, and Vantage.



*Recommend use of a Surge Protected
110 VAC duplex outlet.*

Modular Wiring for Direct Drive Motors Connecting to an Automation Control System

