Simplicity™ Series **Digital Control Stations**

SCP-10

The *Simplicity™ Series* Digital Control Stations provide flexibility and control, and are available with up to 24 configurable buttons.

Each button may be programmed for preset scene, raise/lower, ON/OFF, fade, and momentary or maintained contact and is illuminated with a red LED when active. Button configurations are factory preset to job specifications or may be set on-site.

An available integrated infrared receiver allows programming and control via an I/R remote control.

The thin profile designs fit in a standard wallbox and are available in standard or custom configurations

Dimensions	
Faceplate	
SCP-4, SCP-6, SCP-10	4.5" (H) x 2.75" (W)
SCP-16, SCP-24	4.5" (H) x 6.38" (W)

Communication	
Bus Cable	2 twisted-pair cable, 100 ohms impedance
Types	Belden 9729, Belden 9730 or equivalent
Control Plate Connection	4-way Weidmuller-type connector

Backbox Requirements	
SCP-4, SCP-6, SCP-10	Standard oversize single gang backbox
SCP-16, SCP-24	Standard three gang backbox

Control Devices	
Power Supply	+24V DC, GND
Control Input	RS-485 network (data+, data-)

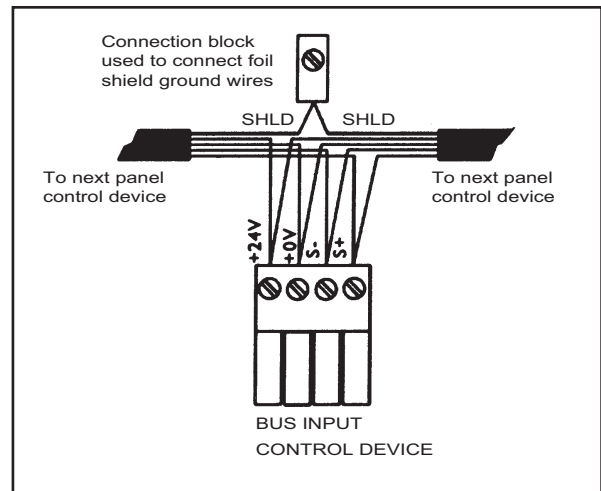| **Environmental Conditions**	
Temperature	32° to + 104° F
Rel. Humidity	5% to 90%; no condensation

Technical information

RS-485 Network Cabling

Use Belden 9729 or equivalent with two pairs (100 Ohm impedance per pair), individually shielded with overall shielding. Connect pair one to data highway (Data+, Data-) and pair two to power (+24V, 0V).

For cable runs in excess of 3,250 ft, use Belden 9730 or equivalent with three pairs, individually shielded with overall shielding. Connect pair one to data highway (Data+, Data-), twist pair two together (+24V), twist pair three together (0V).

The RS-485 network should be connected in a daisy chain with a beginning and an end.

In long networks the pairs providing power should not be connected in a circular loop (i.e. the last network point should not be connected to the first network point). This is only required for the power pairs and NOT the data pairs.

Wiring diagram

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