



Catalog Number	
Notes	Type

Lighting Control System

FEATURES

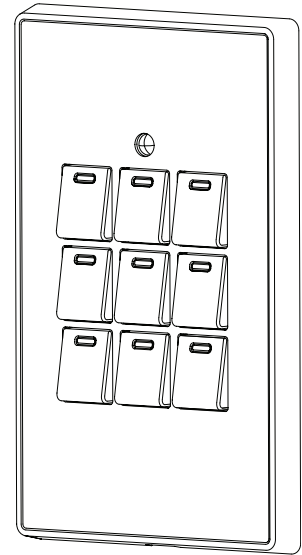
The SYRSP and SYRSP EXT remote stations are digital devices capable of stand-alone or networked operation.

The SYRSP is intended for networked applications where distributed control and external I/O (input/output) is not required. The EXT option adds external I/O which provides (1) photocell and (1) occupancy sensor input, and (2) 0-10 Vdc dimming outputs and (2) switched outputs which can be used for bi-level switching or two zone control in distributed applications. The clean styling is ideal for high-finish areas. For networked applications, stations are connected to the Synergy lighting control system controller via a four-conductor network bus.

- Single gang
- SYRSP available in 1 - 9 button configurations
- Infrared receiver for handheld remote standard
- Preset, on/off operation
- Can operate in stand-alone or network mode (Network requires SYSC MLS or MLX)
- No exposed fasteners
- Metallic and painted finishes
- Easily accessible address and setup switches
- EXT option adds distributed control with external inputs and outputs
 - Dimming requires 0-10Vdc ballast(s)
 - Compatible with Sensor Switch Occupancy Sensors
 - Compatible with most 0-10 volt photocells (0-10Vdc or 10-0Vdc)
 - Sensor Switch PP20 power pack can provides power to SYRSP, occupancy sensor and photocell
- Optional custom engraving
- **REQUIRES GROUNDED BACK BOX**

SYRSP

Digital Wall Station



ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

Example: **SYRSP 1G 3BT BJ4 EXT**

SYRSP	1G			
Series	No. of gangs	No. of buttons	Finish	Options
	1G	_BT 1 to 9	BJ4 Brushed stainless steel, black frame and buttons BL4 Painted black, black frame and buttons WC2 Painted white, white frame and buttons IE3 Painted ivory, ivory frame and buttons SK1 Painted silver, silver frame and buttons	EXT External input/output. Two switched outputs, Two 0-10Vdc dimming outputs. One photocell and one occupancy sensor input per station.

SYRSP requires Synergy all in one cable SYA CABLEA4 (plenum rated)
OR
Belden 3105A (non plenum rated) plus
2 #16 AWG conductors for power

Accessories

Order as separate items.

SYRS 1GR	Plaster ring, mounts to 4" box (by others)
SYNERGY ENGRAVING SERVICES	Engraved button caps (Order 1 per button)
SYA CABLEA4	Plenum rated network cable.
PP20	Accessory power pack. Required to switch lighting load.

SYRSP Lighting Control System

SPECIFICATIONS

FUNCTIONAL

- Push button switches are configurable for ON/OFF (alternate action), ON only (preset), pairs of buttons for ON and OFF or raise/lower dimming functions based on stand-alone or network use.
- LED indicates load status.

CAPACITIES

- 1 - 9 buttons

ELECTRICAL

- Pilot current draw: 2ma at 24VDC
- Operating voltages: 24VDC, low-voltage Class 2.
- Network wiring connections: One EIA-485 pair for data signal and two #16 AWG Class 2 conductors for power.

The **ONLY** approved cables are: (1) Synergy SYA CABLEA4 (includes all necessary conductors) or (1) Belden 3105A or Synergy SYA CABLES2 plus (2) #16 AWG conductors. The network must be run in a daisy chain configuration, no T Taps or star configurations are permitted.

MECHANICAL

- Faceplate snaps to frame.

MOUNTING OPTIONS

- NON EXT APPLICATIONS:
 - Mount to **grounded** Synergy SQRS 1GB (1 gang deep back box)
 - Mount to **grounded** Steel City GW-125-G one gang masonry box (1-7/8" minimum inside width, 2-1/2" minimum inside depth)
- EXT APPLICATIONS:

For maximum ease of installation in EXT applications due to the number of wiring connections needed, mount to Synergy SYRS 1GR or Steel City 52C13 one gang plaster ring attached to a **grounded** 4" square, 2-1/2" deep outlet box.

INPUTS (EXT ONLY)

- One 0-10 VDC analog input per unit. Can be used with 0-10Vdc or 10-0Vdc photocells to provide ambient light level feedback in daylighting applications.
- One external switched input per unit. Can be used with Sensor Switch occupancy sensor heads to provide automatic ON/OFF control based on room occupancy. Can be configured for manual ON/automatic OFF or automatic ON/OFF operation.

OUTPUTS (EXT ONLY)

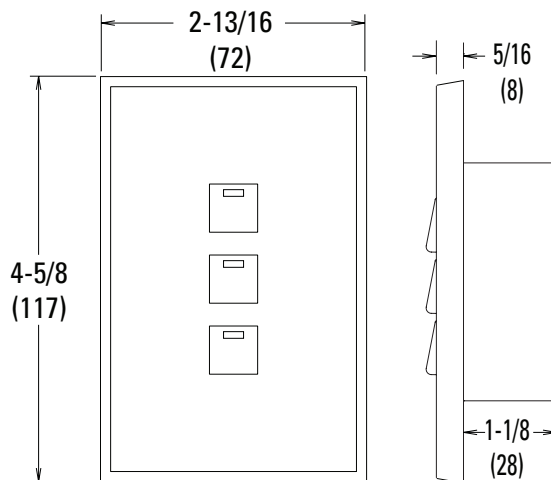
- Two 0-10 VDC analog ballast control outputs suitable for use with a maximum of 40 Universal Ballastar™ and Superdim, Advance Mark VII™, Osram/Sylvania Helios/Penton, Lutron TVE series, or other compatible solid state 4 wire dimming ballasts.
- Two switched outputs per unit. Can be used with PP20 power packs to provide line voltage ON/OFF control of lighting loads.

ENGRAVED BUTTON CAPS

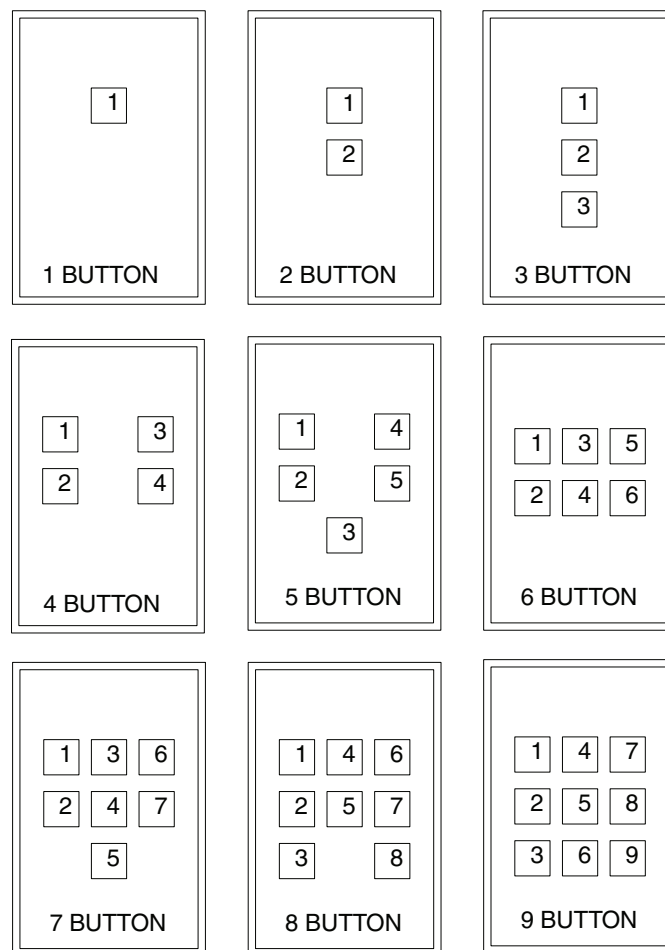
- Characters are upper case block normal. Maximum two lines per switch, seven characters per line.
- Characters are backfilled with a contrasting color.

DIMENSIONS

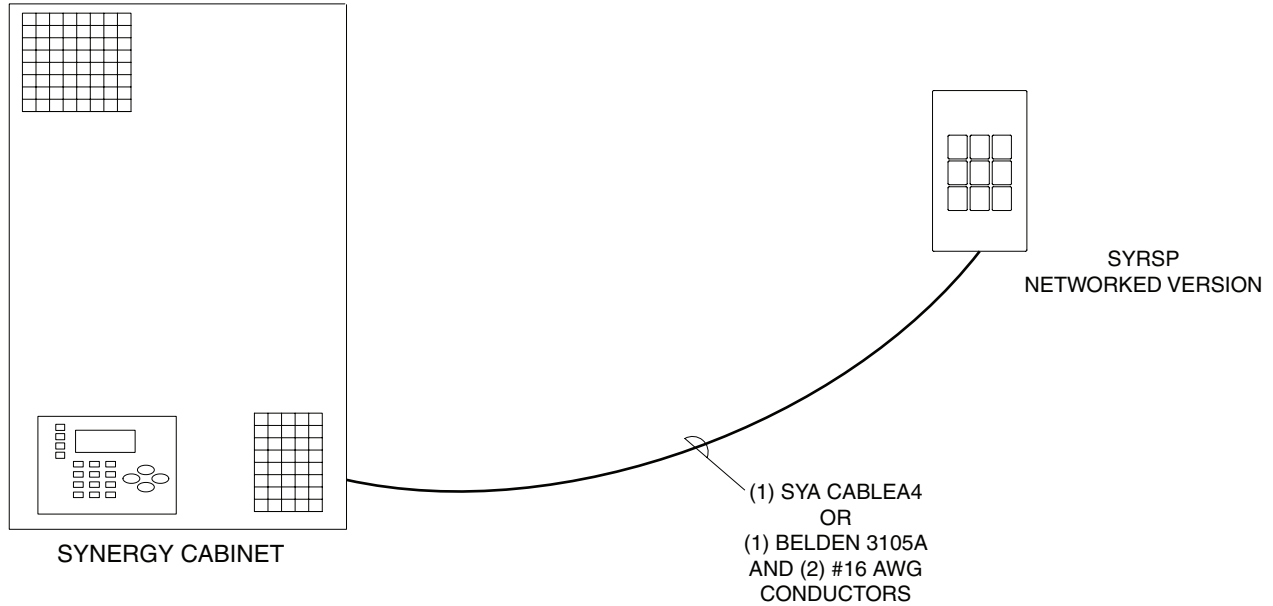
All dimensions are inches (millimeters).



BUTTON CONFIGURATIONS



WIRING DIAGRAM SYRSP



WIRING DIAGRAM - SYRSP EXT

