

OVERVIEW

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.

FEATURES

- 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

Warranty

Three-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



Synergy®

SYRSP
Digital Wall Station



ORDERING INFORMATION

SYRSP		Example: SYRSP 1G 2BT WC2 EXT	
Series	Number of Buttons	Finish	Option
SYRSP 1G Single-gang digital wall station	1BT 1 Button	5BT 5 Buttons	EXT External input/output. Two switched outputs, Two 0-10Vdc dimming outputs. One photocell and one occupancy sensor input per station.
	2BT 2 Buttons	6BT 6 Buttons	
	3BT 3 Buttons	7BT 7 Buttons	
	4BT 4 Buttons	9BT 9 Buttons	
		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	

Accessories	
Finish	
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 ¹
PP20	Accessory power pack. Required to switch lighting load.

1. SYRSP requires SYA CABLEA4 (plenum rated) OR Belden 3105A (non plenum rated) plus 2 #16 AWG conductors for power.

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.

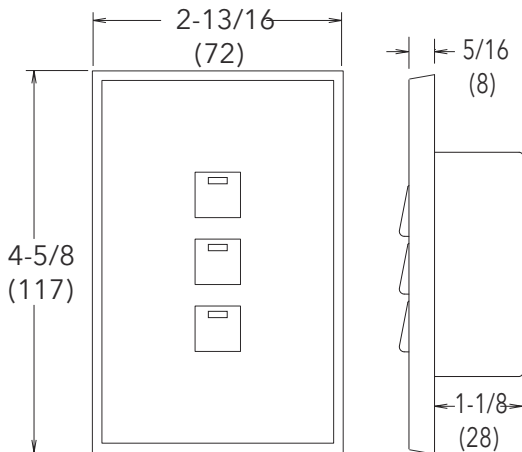
OUTPUTS (EXT ONLY)

- Two 0-10 VDC analog ballast control outputs suitable for use with a maximum of 40 Universal Ballastar™ and Superdim, Advance Mark VIITM, 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.

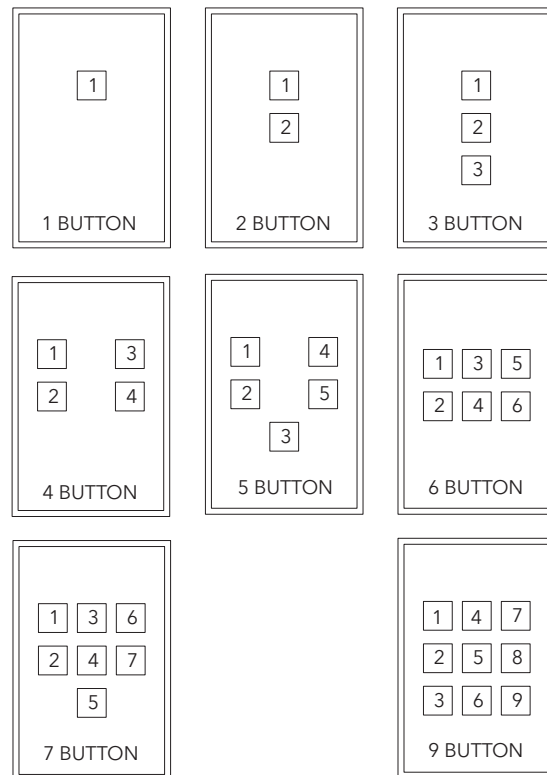
ENGRAVED BUTTON CAPS

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

DIMENSIONS

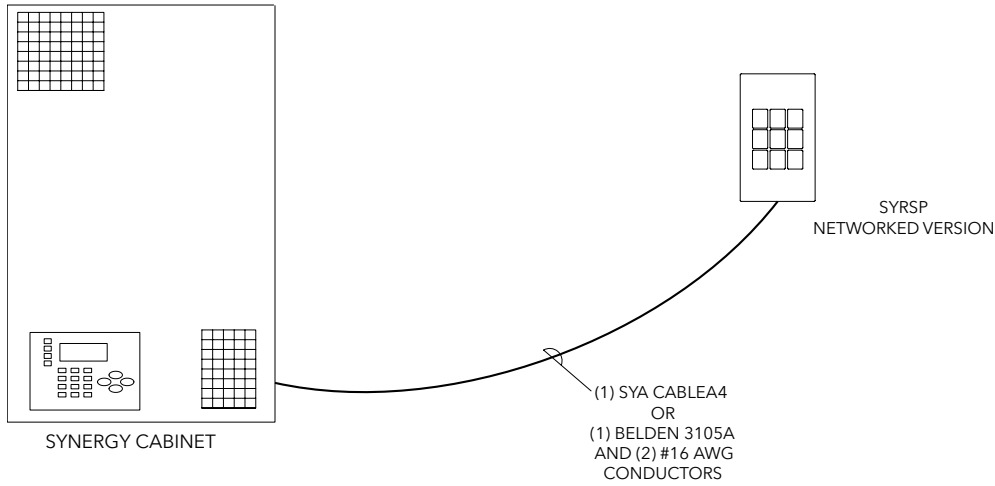


BUTTON CONFIGURATION



WIRING DIAGRAMS

SYRSP Wiring



SYRSP xx EXT Wiring

