



Catalog Number	
Notes	Type

## FEATURES

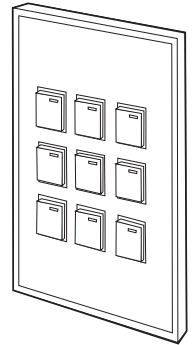
The SYRS EXT remote stations are distributed controllers capable of stand-alone, or networked operation. The SYRS EXT provides 0-10 Vdc dimming. The clean styling is ideal for high-finish areas. For networked applications, stations are connected to the Synergy lighting control system controller via a four-conductor network bus.

- Single gang
- SYRS EXT available in 1,3,5,7, & 9 button stations
- Preset, on/off operation
- Distributed controller with external inputs and outputs
- Compatible with Lutron Occupancy Sensors
- Compatible with LSA APS and DEQ APS photocells (consult factory).
- LPCS provides power to SYRS, Lutron occupancy sensor and photocell
- EXT dimming requires 0-10Vdc ballast
- Stand-alone or network (requires SYSC MLS or MLX) mode of operation
- Microtravel switch action
- Optional custom engraving
- No exposed fasteners
- Metallic and painted finishes
- Low profile
- Specification grade
- **REQUIRES GROUNDED BACK BOX**
- Easily accessible address and setup switches

Lighting Control System

# SYRS EXT

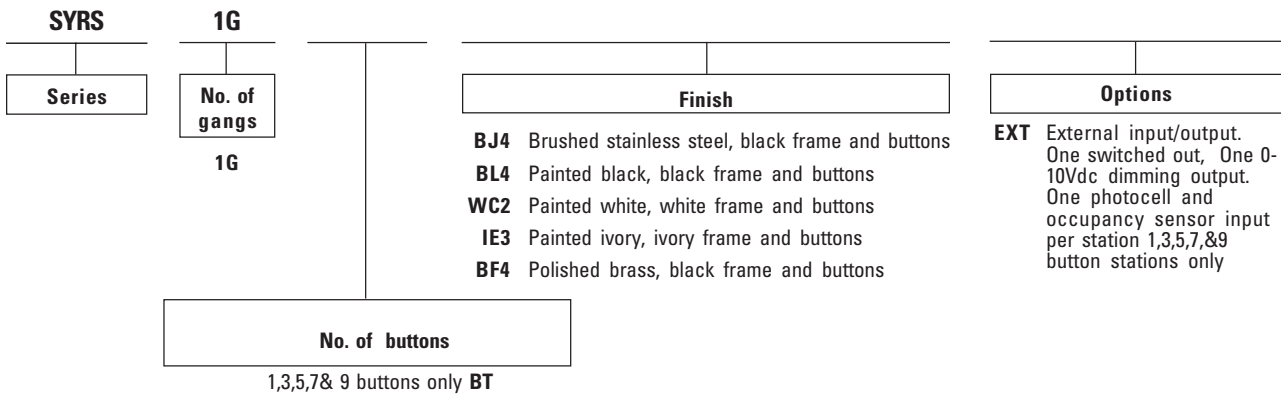
Digital Distributed Load Control, 0-10 Vdc Output



## 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: **SYRS 1G 3BT BJ4 EXT**



### Accessories

Order as separate items.

<b>SYRS 1GR</b>	Plaster ring, mounts to 4" box (by others)
<b>BKLE 10P</b>	Engraved button caps, 10 pack
<b>SYA CABLE A4</b>	Plenum rated network cable.
<b>LPCS MVOLT</b>	Required to switch lighting load.
<b>LPCS 347</b>	Required to switch lighting load.

# SYRS EXT 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, 3, 5, 7, or 9 buttons with EXT option.

### ELECTRICAL

- Pilot current draw: 2ma at 24VDC
- Operating voltages: 24VDC, low-voltage Class 2.
- Network wiring connections: (1) EIA-485 approved cable for data signal and (2) #16 AWG Class 2 conductors for power. Acceptable cables are: (1) Synergy SYA CABLE A4 (includes all necessary conductors) or (1) Belden 3105A or Synergy SY CABLE S2 plus (2) #16 AWG conductors. The network must be run in a daisy chain configuration, no T Taps or star configurations are permitted.

### MECHANICAL

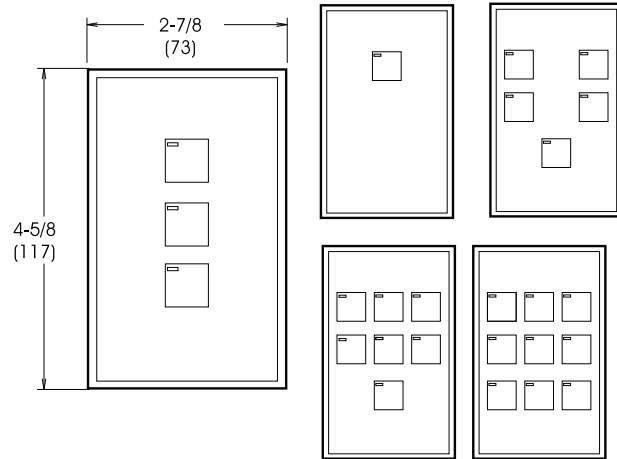
- Mounts to Synergy SYRS 1GR or Steel City 52C13 one gang plaster ring attached to a **grounded** 4" square, 2-1/2" deep outlet box or to a **grounded** Synergy SQRS 1GB or Steel City GW-125-G one gang masonry box (1-7/8" minimum inside width, 2-1/2" minimum inside depth). Use of tile rings, shallow, narrow or ungrounded boxes can damage system.
- Faceplate held to frame by magnetic strips.

### INPUTS

- One 0-10 VDC analog input per unit. Can be used with the LSA APS or DEQ APS photocell accessory to provide ambient light level feedback in daylight applications.
- One external switched input per unit. Can be used with Lutron 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.

## DIMENSIONS

All dimensions are inches (millimeters).



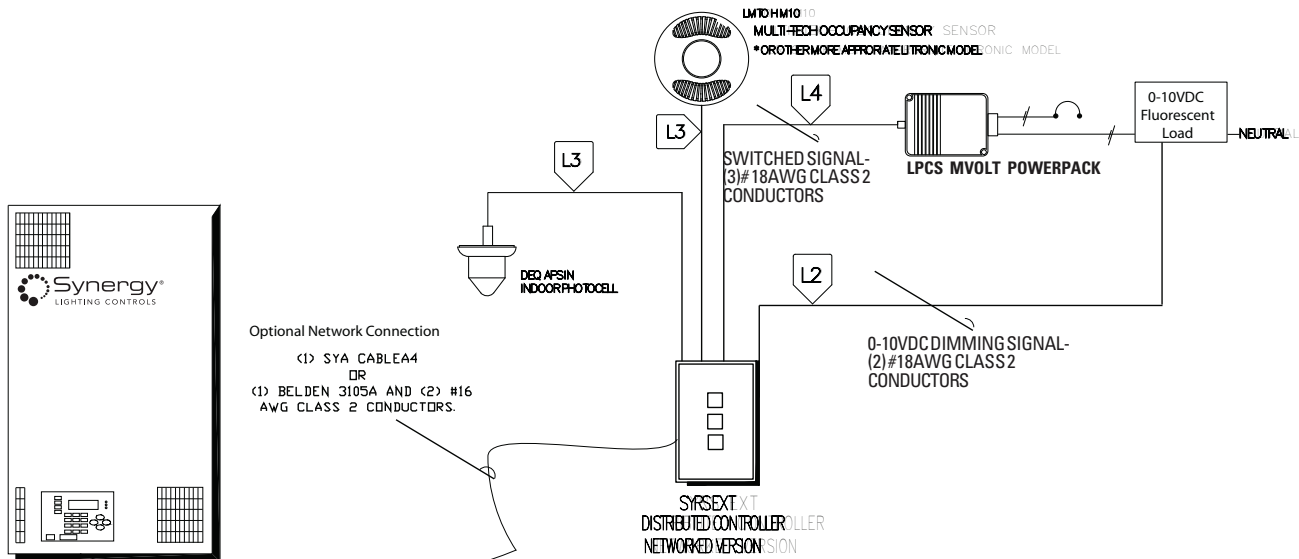
### OUTPUTS

- One 0-10 VDC analog ballast control signal 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 dimming ballasts.
- One switched output signal per unit. Can be used with a single LPCS remote relay power pack to provide line voltage ON/OFF control of lighting.

### 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.

## WIRING DIAGRAM



\*EXT station requires a #18 AWG common wire to LPCS.



An Acuity Brands Company