

Installation Instructions

SYRSP EXT

Digital Remote Station

**READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION**

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING

To reduce the risk of death, injury or property damage from fire, electric shock, cuts, abrasions, falling parts, and other hazards:

- Service of the equipment must be performed by qualified service personnel.
- Installation and maintenance must be performed by a person familiar with the construction and operation of this product and any hazards involved. All applicable codes and ordinances must be followed.
- Read this document before installing, servicing, or maintaining this equipment. These instructions do not cover all installation, service, and maintenance situations. If your situation is not covered, or if you do not understand these instructions or additional information is required, contact *Synergy Lighting Controls*.

⚠ WARNING

Before installing, servicing, or maintaining this equipment, follow these general precautions.

To reduce the risk of electrocution:

- Make sure the equipment is properly grounded.
- Always de-energize any equipment before connecting to, disconnecting from, or servicing the equipment.

To reduce the risk of fire:

- Use supply conductors with a minimum installation temperature rating as specified.

To reduce the risk of personal injury from cuts, abrasions:

- Wear gloves to prevent cuts or abrasions from sharp edges when removing from carton, handling and maintaining this equipment.
- Do not install a damaged equipment.

Synergy Lighting Controls, a division of *Acuity Brands Inc.*, assumes no responsibility for claims arising out of improper or careless installation or handling of this product.

SAVE THESE INSTRUCTIONS

Installation Instructions

SYRSP EXT

Digital Remote Station

SYRSP EXT Basic Overview

The Synergy SYRSP EXT Digital Remote Station can be used either stand alone, or with a Synergy controller and other digital stations to provide state-of-the-art networked lighting control. The SYRSP EXT is available in 1 through 9 button configurations and comes standard with an infrared sensor to provide handheld remote operation.

The SYRSP EXT contains an analog (photocell) input and a digital (occupancy sensor) input for use in local (stand alone) or networked operation. It features Daylight Harvesting on locally controlled 0-10Vdc 4-wire dimming ballast circuits. Daylight Harvesting maintains a constant light level based on a user defined light level (set point).

The SYRSP EXT contains two switched outputs which are suitable for control of power packs to allow local switching of lighting fixtures, and two 0-10Vdc dimmer outputs for local control of 4-wire dimming ballasts.

Before You Start

1. Always disconnect all power.
2. This device is supplied by a Class 2 low voltage transformer in the system enclosure. Install in accordance with National Electric code and any other codes that may apply.
3. Use only as intended and at the listed voltage.
4. Use only accessories recommended by Synergy Lighting Control Systems.

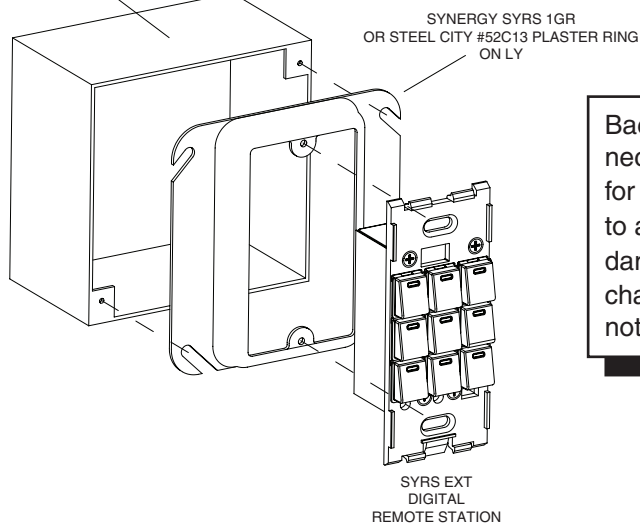
SYRSP requires Synergy all in one cable SYA CABLEA4 (plenum rated)
OR
Belden 3105A (non plenum rated) plus
2 #16 AWG conductors for power

Rough in Mounting Instructions/ Important Notes

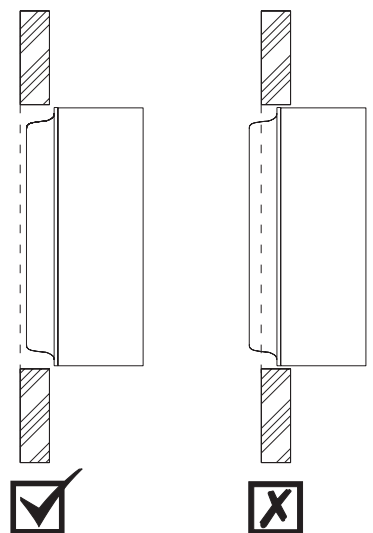
The SYRSP station flush mounts to a Synergy SYRS 1GR or Steel City GW-125-G one gang masonry box (1-7/8" minimum inside width, 2-1/2" minimum inside depth) or to a Synergy SYRS 1GR or Steel City 52C13 one gang plaster ring attached to a grounded 4" square, 2-1/2" deep outlet box. For maximum ease of installation in EXT applications, (due to the number of wiring connections needed) the 4" box method is recommended. If a plaster ring is used, the plaster ring should be mounted slightly behind the wall face, within 1/8", and not protruding to finish off properly. See illustration below.

4 INCH SQUARE BACK BOX -
PROPERLY GROUNDED

FURNISHED BY OTHERS



Backbox **MUST** to connected to earth ground for proper operation and to avoid possible product damage from static discharge. Warranty voided if not properly grounded.



RIGHT

WRONG

Figure 1 - SYRSP Mounting Details

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Important Remote Station Rough In Wiring

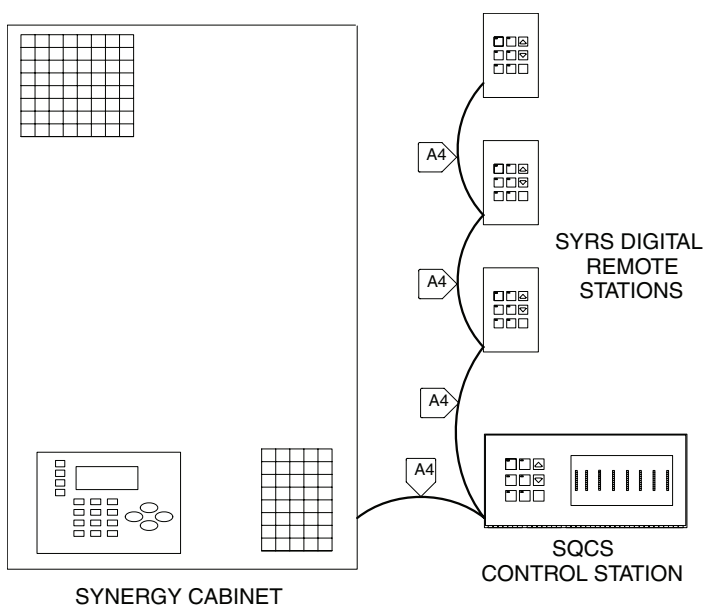
1. Outlet boxes **must** be grounded for proper operation and to avoid possible product damage from static discharge. Warranty voided if not properly grounded.
2. SYRSP stations can be connected to a Class 2 low voltage Synergy A4 network.
3. **Do not** install A4 network cable in AC power conduit or raceways.
4. All A4 network devices **must** be connected in a daisy chain (in and out) configuration. "T" taps or branches in the network are **NOT** permitted. See *Figure 2*.
5. Network wire shall be:
(1) EIA-485 approved twisted and shielded pair for data signal and (2) #16 AWG conductors for power. The **ONLY** approved cables are Synergy SYA CABLEA4 (four conductors) or (1) Belden 3105A (2 wire, twisted and shielded pair) and 2 #16 AWG conductors, supplied by others.
6. Contact Synergy Technical support at 1-800-533-2719 if A4 network length exceeds 2000 feet.
7. See *Figures 4 - 8* for detailed interconnect wiring of SYRSP station network.

SYRSP EXT Power Requirements

SYRSP stations can be powered from the Synergy SYE enclosure power supply or a remote power pack. The Synergy MLX system controller supports a maximum of 60 A4 network devices. A single SYE enclosure power supply can power a maximum of 20 SYRSP stations. A single power pack can power a maximum of 3 stations. See *Figures 5 and 6* for appropriate details. If the A4 network requires more than 20 SYRS stations, consult factory for guidelines. If a power supply is powering other network devices in addition to the SYRSP stations, consult factory for guidelines. Power Packs that supply 15 - 24Vdc are acceptable.

SYRSP EXT Remote Station Installation

1. Verify voltage on the A4 power conductors IS NOT above 28 VDC (nominal) BEFORE connecting to the SYRS station. Maximum 28 VDC (nominal) should be present.
2. Connect A4 network wiring as shown in *Figures 5 or 6*.
3. Connect auxillary devices as shown in *Figures 7 or 8*.
4. Orient and mount station to plaster ring as shown in *Figure 1*.



One Line Wiring Symbols

- A4** Control Station Network Cable. Class 2 low voltage; do not install in high voltage conduit or raceway. All devices connecting to network must be wired in a daisy chain (in and out) configuration; "T" taps or branches in the network are not permitted. The numerical order in which devices are connected is not important.

Network wire shall be:

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

Figure 2 - SYRSP Remote Station One Line Drawing

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SYRSP EXT Operation

The SYRSP EXT can operate in one of several modes: stand alone manual mode, stand alone daylight harvesting mode or network mode.

Stand Alone Manual Mode:

SYRSP EXT stations can be operated in stand alone manual mode. In this mode the user has manual control of the lighting loads connected to the switched or dimmed (0-10Vdc) outputs. The light level can be raised or lowered using the Raise/Lower buttons, or can be switched ON/OFF using the alternate action ON/OFF button (the ON/OFF function requires the use of an accessory power pack to switch ballast power). See the chart on page 12 for button function details for each station type.

An occupancy sensor (if used) will automatically turn the connected lights on and off. **The photocell input is disabled.**

Stand Alone daylight harvesting Mode:

The SYRSP EXT utilizes the photocell input to operate in daylight harvesting mode, which automatically controls 0-10Vdc dimmed output 1 (Dimmed output 2 IS NOT controlled locally by the photocell). The SYRSP EXT's photocell input can be calibrated to maintain a user defined light level (ex. 50 foot candles), which sets the maximum amount of artificial light (dimmer) output from the station. The dimmer output level can be manually adjusted while in daylight harvesting mode, but it will **not** exceed the maximum level set during calibration.

An occupancy sensor (if used) will automatically turn the lights on and off.

Network Mode:

The SYRSP EXT station communicates to the SYSC system controller through the Synergy A4 network. Each button on the SYRSP EXT can be programmed for single or multiple circuit control of any load(s) connected to the Synergy system. Each button, analog input, and digital input can be monitored by the SYSC system controller to provide system wide functions based on each object's status.

Network Daylight Harvesting Mode:

The SYRSP EXT station can function in daylight harvesting mode while connected to the Synergy A4 network. The SYRSP EXT network functions operate as described in the network mode section. However, only loads connected to the 0-10Vdc dimmed output 1 of the SYRSP EXT are controlled locally by the photocell, as described in the stand-alone daylight harvesting mode section.

SYRSP EXT and Photocell

The SYRSP EXT can be used in conjunction with a Synergy analog photocell to provide automatic 0-10Vdc fluorescent dimming control of 4 wire ballasts. The SYRSP EXT has a 0-10Vdc photocell input which can be used to provide automatic Daylight Harvesting. Daylight Harvesting maintains a constant light level based on a set point calculated during photocell calibration.

See photocell installation section for more details and Figure 8 for photocell wiring details.

SYRSP EXT and Occupancy Sensor

The SYRSP EXT contains a digital input compatible for use with all Synergy supplied occupancy sensors. When selecting a mounting location for the occupancy sensor, position the sensor where it will not detect movement in undesired areas. (Refer to the occupancy sensor's documentation for coverage specifications) In an office, do not place the sensor where it will detect hallway traffic causing the loads to turn on when the office is unoccupied.

In open areas, place the sensor in the center of the area being controlled.

See Figures 7 and 8 for occupancy sensor wiring details.

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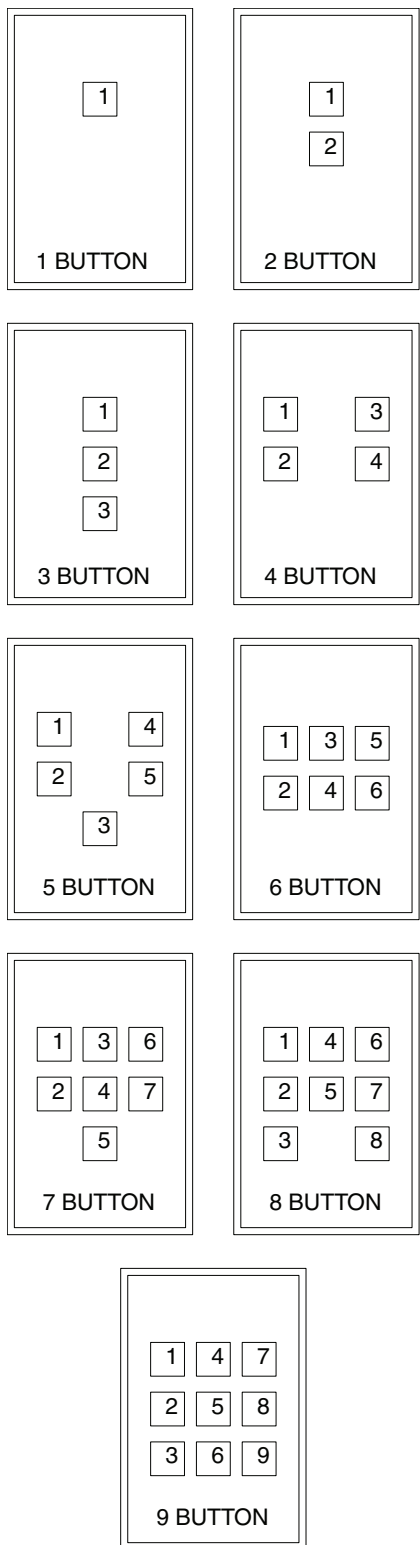


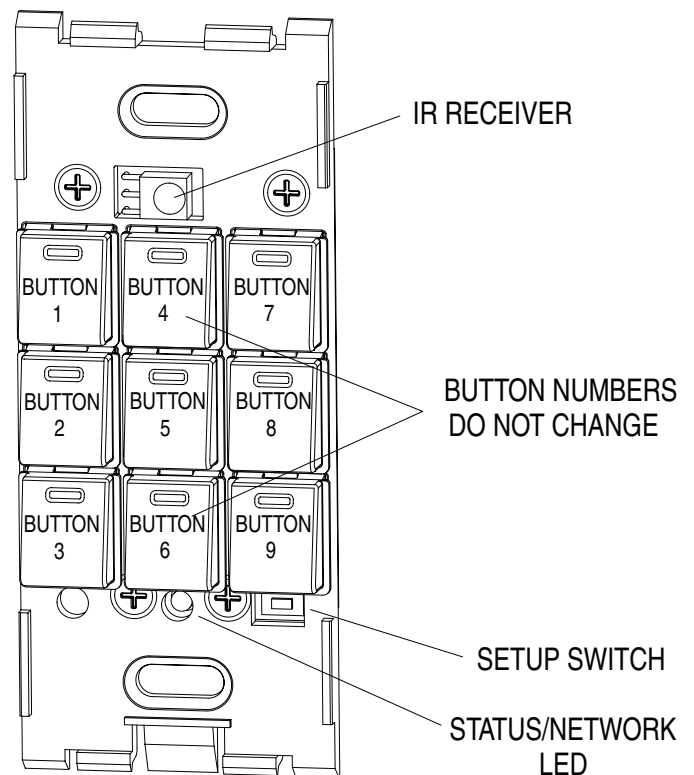
Figure 3 - SYRSP EXT Buttons And Button Numbering

SYRSP Button Operation

The SYRSP EXT is available with one to nine buttons. Each button can be programmed for single or multiple circuit control (connection to the A4 control station network is required to enable this feature). The SYSC system controller stores the programming information for each button.

Each button configuration (1 through 9) requires a specific setup configuration. (See *Figure 3* for button numbering schemes)

The SYRSP EXT station ships from the factory pre-configured with the appropriate button configuration. In the event the button configuration is lost, the station will indicate an error condition by flashing all the button (green) LEDs in a continuous Blink – Blink – Pause – Blink – Blink – Pause pattern. See the SYRSP Setup section for details on reprogramming the station type (button configuration).



SYRSP Details

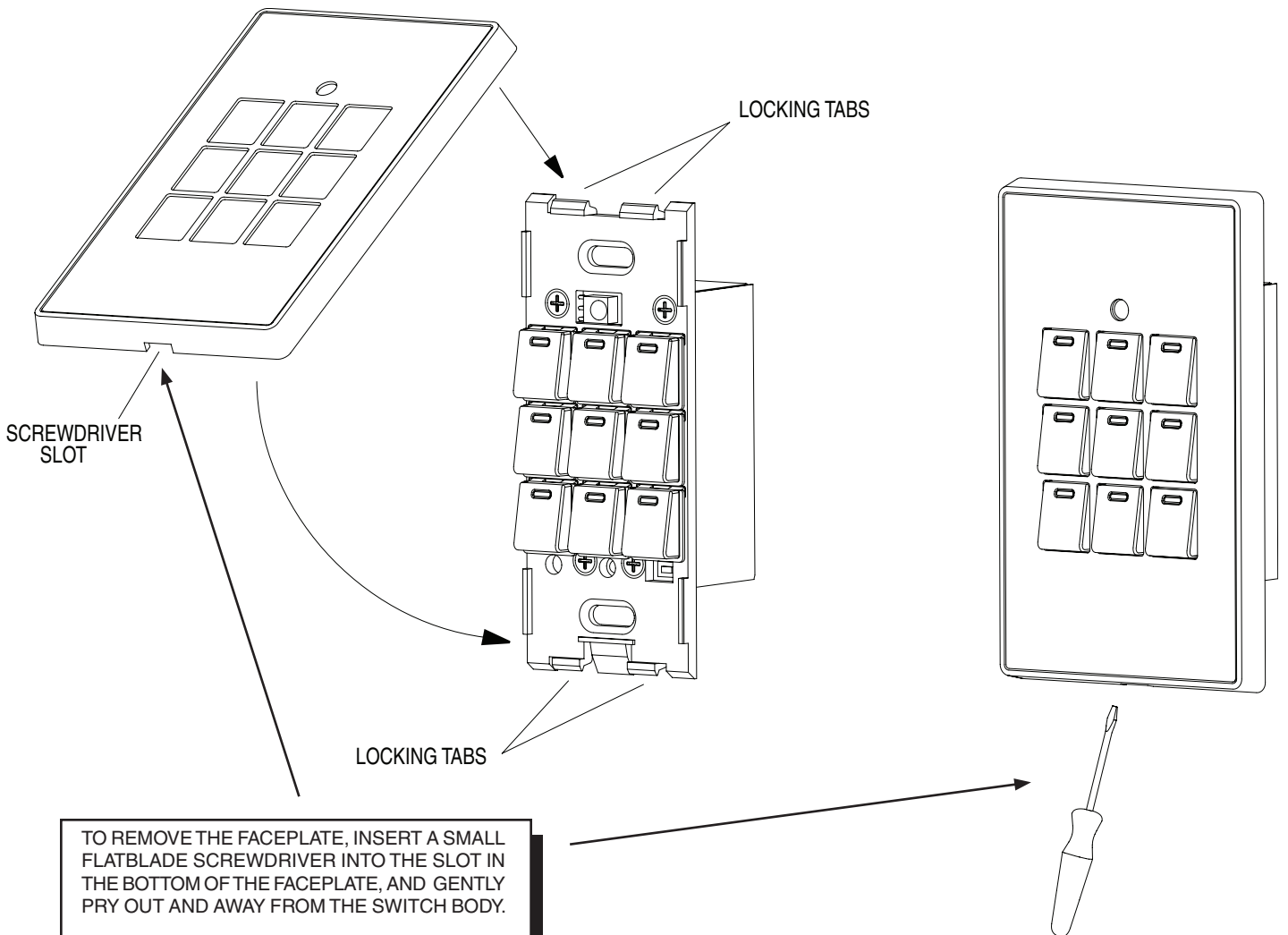
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SYRSP EXT

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SYRSP Faceplate Removal

TO INSTALL THE FACEPLATE, HOOK THE TOP OF THE FACEPLATE OVER THE TOP LOCKING TABS, THEN SWING THE FACEPLATE DOWN ONTO THE BOTTOM LOCKING TABS UNTIL A CLICK IS HEARD, WHICH LOCKS THE FACEPLATE ON THE SWITCH BODY.



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SYRSP Station Addressing

The SYRSP station communicates to the controller through the Synergy A4 network. Each device on the A4 network **must** have a unique address.

DUPLICATE ADDRESSES ARE NOT ALLOWED!

To set the network Address:

Select and set a unique network address for each station. The leftmost switch sets the “10s” value, the rightmost switch sets the “1s” value.

For example address 25 would have the leftmost switch set to “2” and the rightmost switch set to “5”.

See *Figure 4* below for details.

SYRSP A4 Network Termination

The A4 network must be properly terminated for network operation. The device residing at each end of the network **MUST** be terminated. The SYSC system controller is normally located at one end of the network and ships from the factory with termination activated. If an SYRSP station is at the end of the A4 network it must be terminated. (See *Figure 4* below for details)

If SYRSP stations are located at both ends of the network, BOTH SYRSP stations must be terminated and the factory applied A4 network termination on the SYSC system controller **must** be removed. (See the SYSC system controller jumper settings in *Figure 5* to remove termination from the controller)

DO NOT CONNECT 24VDC POWER SUPPLY FROM SYE ENCLOSURE TO ACCESSORY POWER PACKS. STATION DAMAGE MAY RESULT AND VOID WARRANTY

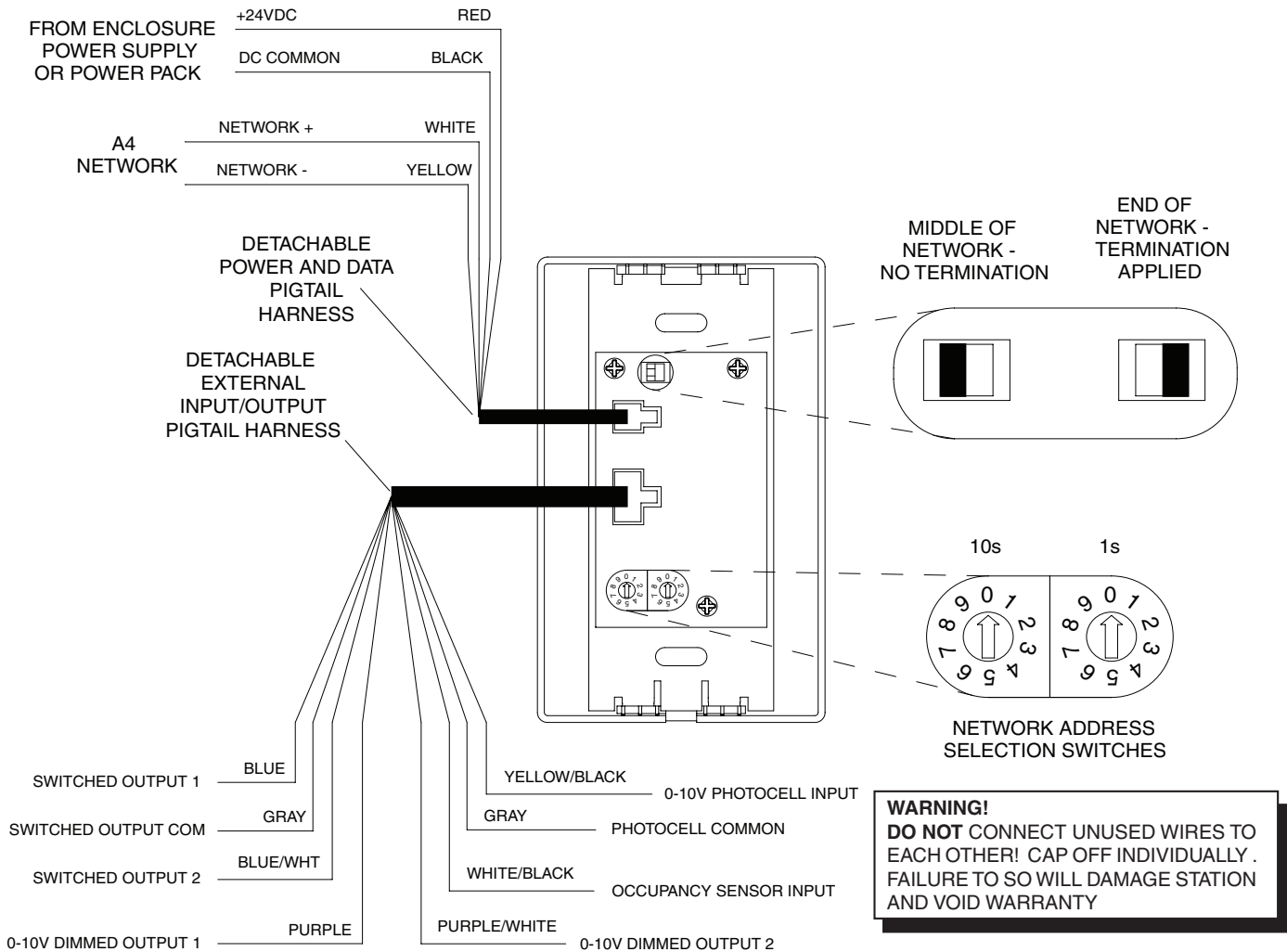
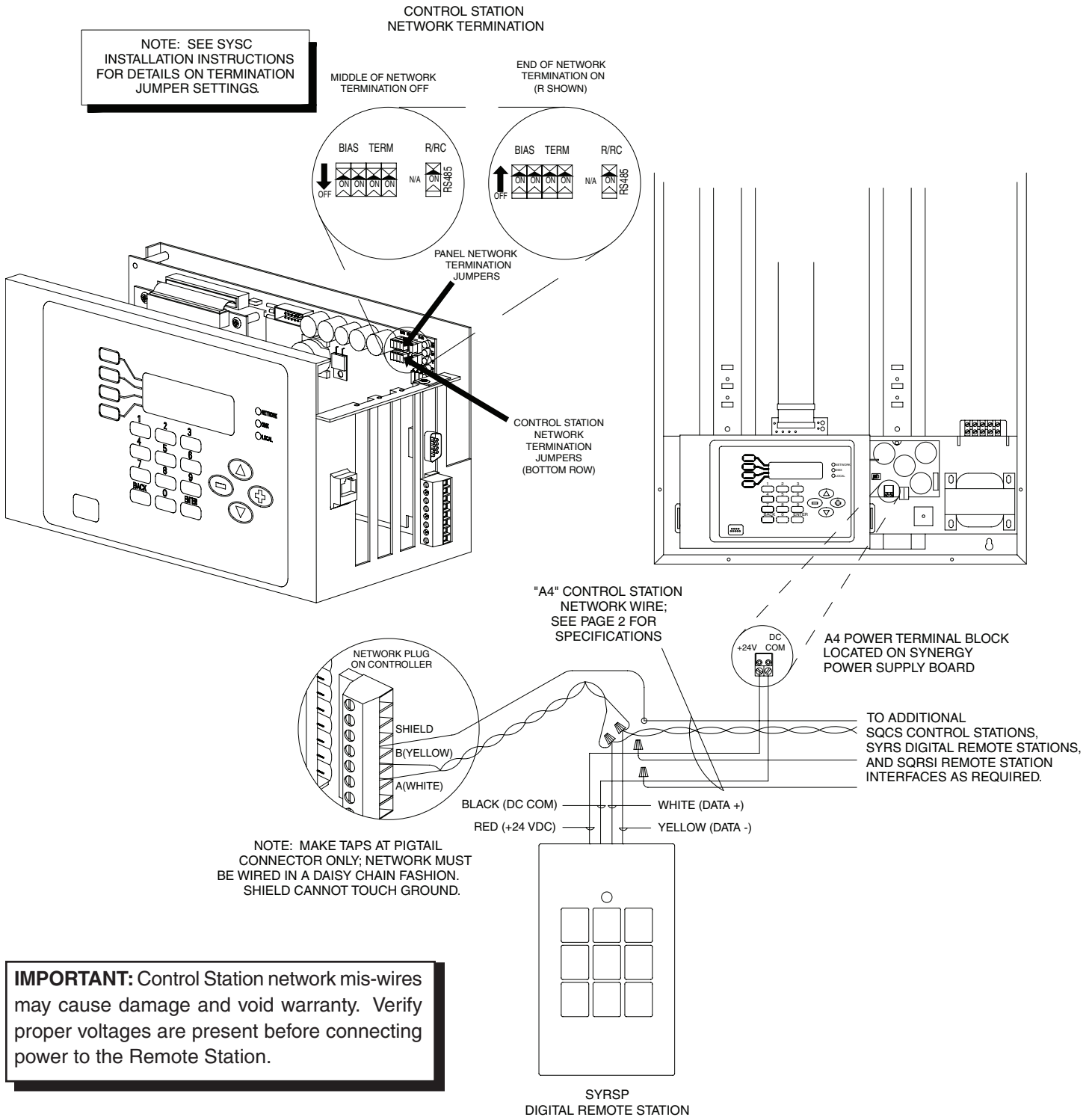


Figure 4 - SYRSP EXT Wiring Details (Back View)

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SYRSP EXT

Digital Remote Station

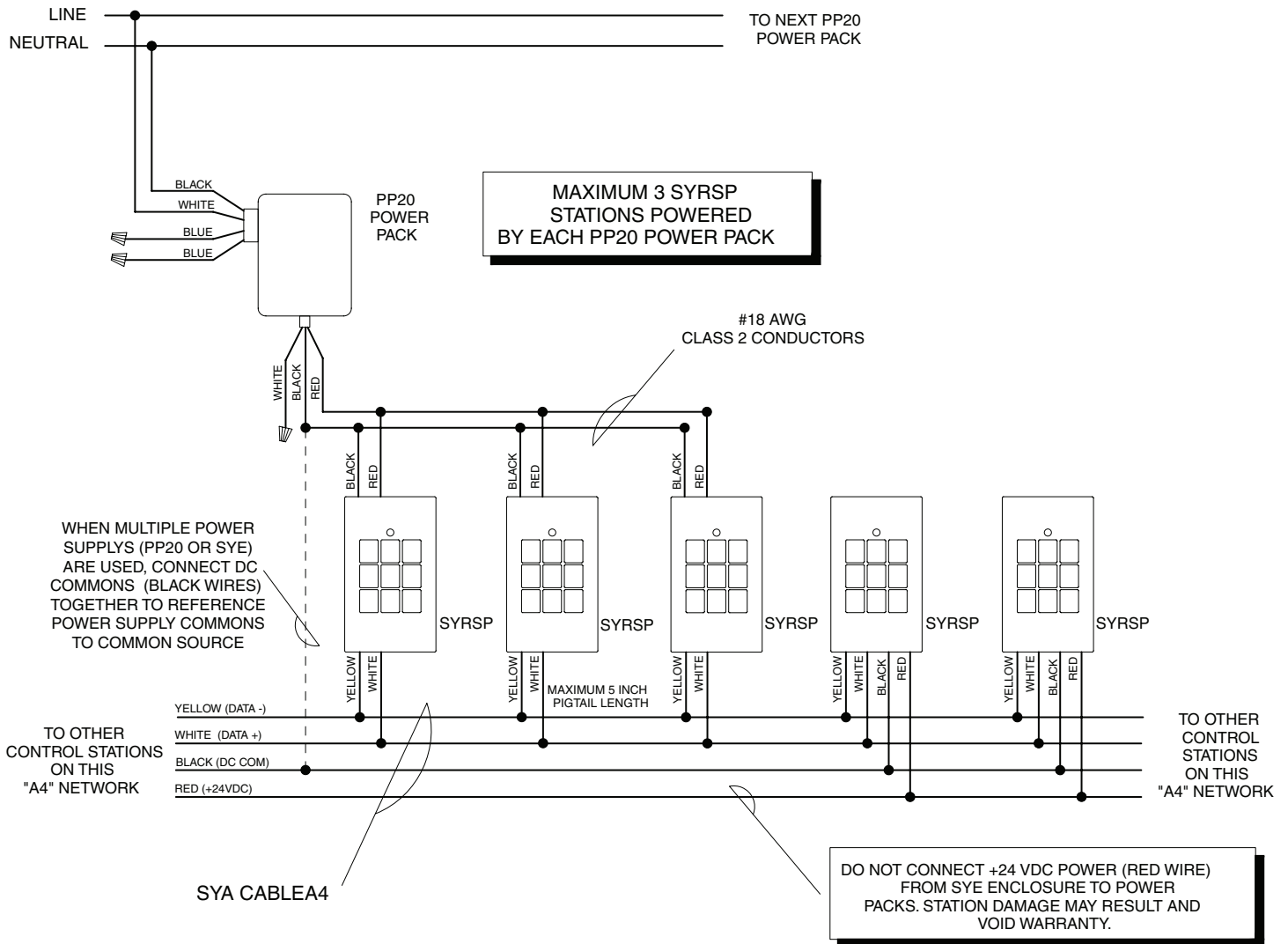


**Figure 5 - SYRSP Remote Station Network - Typical Wiring
Power Supplied Synergy Enclosure**

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**Figure 6 - SYRSP Remote Station Network - Typical Wiring
Power Supplied by PP20 Series Power Packs**

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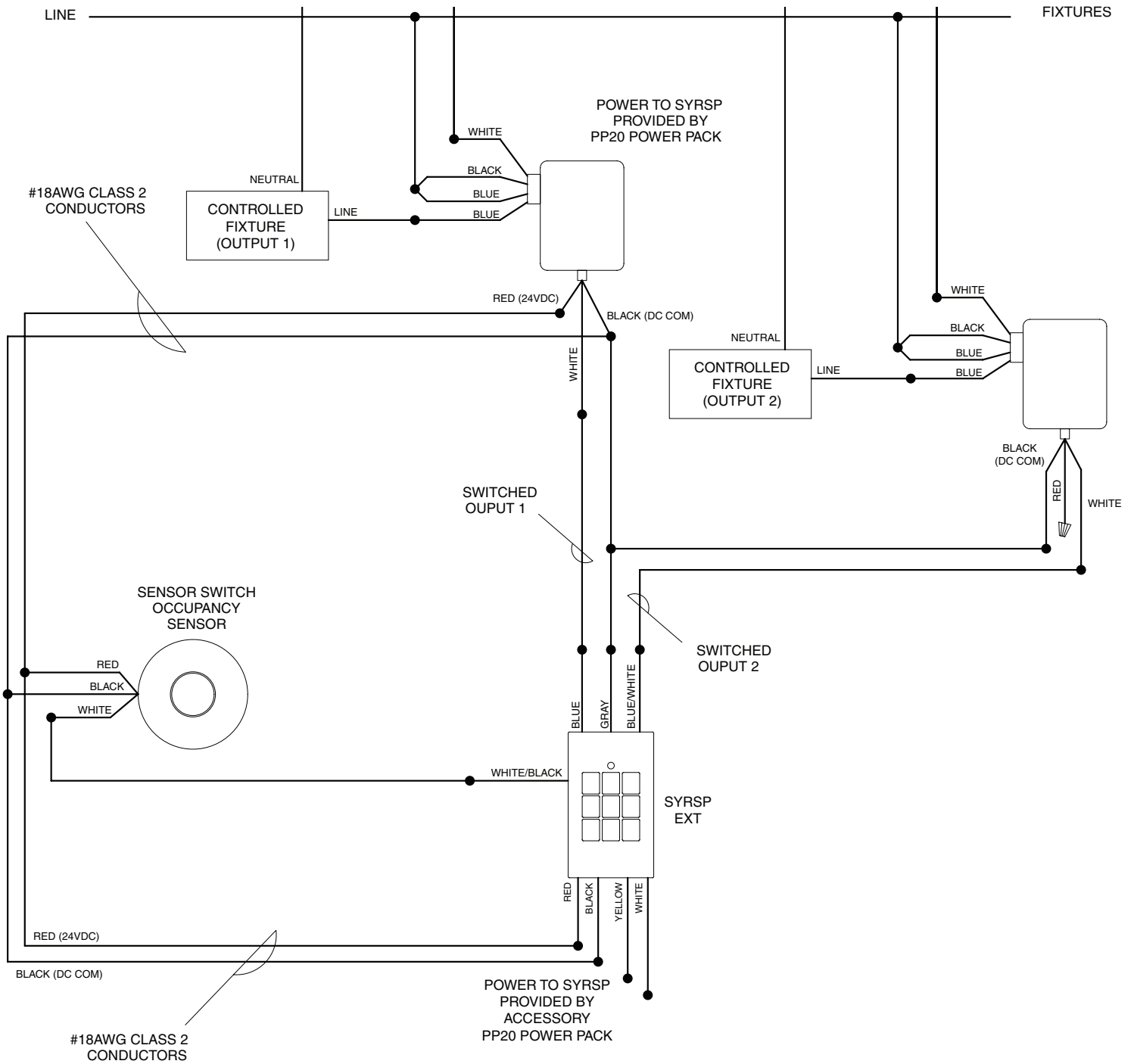


Figure 7 - SYRSP EXT Details - Occupancy Sensor and Dual Switching w/Power Packs

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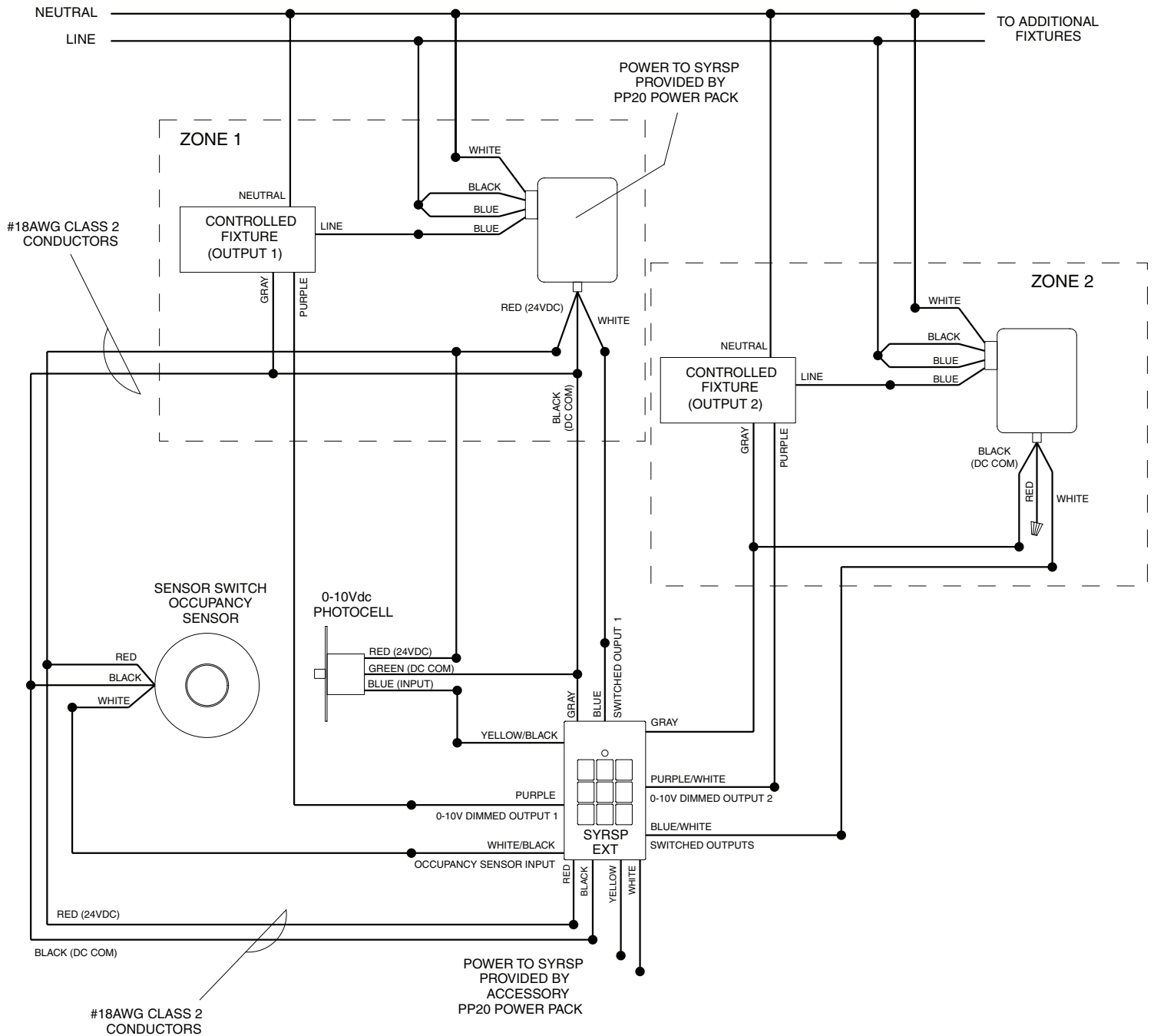


Figure 8 - SYRSP EXT Details - 0-10Vdc Dimming w/Photocell and Occupancy Sensor

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SYRSP EXT Stand Alone Operation

The SYRSP EXT can operate as a stand alone unit in distributed control applications. Stand Alone mode is used by setting the station address to 60. When operating in stand alone mode, the occupancy sensor input will turn ON/OFF the lighting circuits connected to both switched outputs. The outputs can be overridden OFF using the buttons on the station. Once turned OFF by a button, the occupancy sensor will NOT turn back on the outputs until the room becomes unoccupied, then again occupied.

The photocell input provides automatic control of 0-10Vdc 4 wire dimming ballasts connected to dimming output 1. Dimmed output 1 will track up or down with the photocell level. As the ambient light level increases at the photocell, the controlled lighting will dim. As the ambient light level decreases at the photocell, the controlled lighting will raise.

See the Photocell Setup and Configuration sections for more information on setting up the photocell input.

Note, the occupancy sensor input controls both switched outputs 1 and 2. The photocell input ONLY controls dimmed output 1.

Simple multi-location operation is possible by connecting multiple stations together via the four wire A4 control station network (all stations must be set to address 60) **All commands are sent (Channel 1 and 2 Raise/lower, ON/OFF) which creates the ability to have outputs on several stations function in unison.** For example, having a station at each entry door to a room where all the stations should function as Master controls for that room.

When operating in stand alone mode, button control is as follows: (See *Figure 3* for button and output numbering)

1 BUTTON STATION

Button 1 turns ON and OFF outputs 1 and 2

2 BUTTON STATION

Button 1 RAISES outputs 1 and 2

Button 2 LOWERS outputs 1 and 2

3 BUTTON STATION

Button 1 RAISES outputs 1 and 2

Button 2 LOWERS outputs 1 and 2

Button 3 turns ON and OFF outputs 1 and 2

4 BUTTON STATION

Button 1 RAISES output 1

Button 2 LOWERS output 1

Button 3 RAISES output 2

Button 4 LOWERS output 2

5 BUTTON STATION

Button 1 RAISES output 1

Button 2 LOWERS output 1

Button 3 turns ON and OFF outputs 1 and 2

Button 4 RAISES output 2

Button 5 LOWERS output 2

6 BUTTON STATION

Button 1 RAISES output 1

Button 2 LOWERS output 1

Button 3 RAISES output 2

Button 4 LOWERS output 2

Button 5 RAISES outputs 1 and 2

Button 6 LOWERS outputs 1 and 2

7 BUTTON STATION

Button 1 RAISES output 1

Button 2 LOWERS output 1

Button 3 RAISES output 2

Button 4 LOWERS output 2

Button 5 turns ON and OFF outputs 1 and 2

Button 6 RAISES outputs 1 and 2

Button 7 LOWERS outputs 1 and 2

8 BUTTON STATION

Button 1 RAISES output 1

Button 2 LOWERS output 1

Button 3 turns ON outputs 1 and 2

Button 4 RAISES output 2

Button 5 LOWERS output 2

Button 6 RAISES outputs 1 and 2

Button 7 LOWERS outputs 1 and 2

Button 8 turns OFF outputs 1 and 2

9 BUTTON STATION

Button 1 RAISES output 1

Button 2 LOWERS output 1

Button 3 turns ON and OFF output 1

Button 4 RAISES output 2

Button 5 LOWERS output 2

Button 6 turns ON and OFF output 2

Button 7 RAISES outputs 1 and 2

Button 8 LOWERS outputs 1 and 2

Button 9 turns ON and OFF outputs 1 and 2

Note:

Any button which functions as RAISE or LOWER can be used as an INSTANT ON or INSTANT OFF by pressing and releasing the button quickly in a "Quick Click" manner.

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SYRSP Setup

SYRSP setup is accomplished using the SETUP SWITCH on the front of the unit and the buttons on the station. There are 3 basic functions controlled by the Setup Switch; Address preview, station configuration and station re-initialization. To perform setup, the faceplate must be removed. To remove the faceplate, place a small flat blade screwdriver in the slot at the bottom of the faceplate and pry up. The faceplate should easily pop off. See page 6 for details.

Note, the button LEDs on the SYRSP are either very bright (ON) or very dim, they are never completely off. This is the “nightlight” feature of the SYRSP.

Address Preview:

The address selection switches are on the back of the station. Use the address preview function to view the currently selected address without having to remove the station from the wall.

To preview the address:

1. Remove the Faceplate.
2. Press and release the SETUP SWITCH. During address preview, the station will indicate its address by brightly illuminating its button LEDs according to each digit of the address. The button LEDs indicate digits 1-9, zero is indicated by the setup LED. When the address is greater than 9, the first blink will be the ten's digit, the second blink the one's. See figure 3 for the numerical value of each switch. The address will be shown 3 times, then the SYRSP will revert back to normal operation.

Setup Mode:

Enter Setup Mode by pressing and holding the Setup Switch (for approximately 3 seconds) until you hear a beep.

Station Configuration:

There are 4 settings in this mode.

1. Enable/Disable photocell control for dimmer 1.
2. Photocell type (0-10V or 10-0V).
3. Photocell calibration.
4. Sunlight Discount Factor adjustment.

To enable/disable photocell control:

1. If not already in Setup mode, enter Setup Mode (described above).
2. Press and release button 1 to toggle photocell control. When the LED is brightly illuminated, the photocell DOES HAVE control of dimmer 1. When it is dim, the photocell DOES NOT have control of dimmer 1. The default setting is disabled.

To change the photocell type:

1. If not already in Setup mode, enter Setup Mode (described above).
2. Press and release button 2 to toggle the photocell type. When the LED is brightly illuminated, the photocell type is a 10-0 volt photocell (0V output at full sunlight). When it is dim, the type is 0-10 volt (10V output at full sunlight).

To calibrate the photocell see the Photocell Calibration Section on page 15.

To adjust the Sunlight Discount Factor see the Photocell Calibration Section on page 15.

Exit Setup Mode:

Exit Setup Mode by pressing and releasing the setup switch. Upon exiting configuration mode, you will hear 3 short beeps. Setup mode will also timeout after 60 seconds of inactivity.

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SYRSP Setup (Continued)

Station Re-Initialization:

WARNING!

Re-initializing the station ERASES ALL user configuration, photocell calibration and station type (number of buttons).

To re-initialize the station:

1. Press and hold the setup switch for 10 seconds.
2. After 3 seconds a short beep indicates entering configuration mode.
3. Continue holding the button for approximately 10 seconds. A long beep will indicate re-initialization. The setup LED will begin flashing alternately between red and green and the button LEDs will all blink. All settings are now set back to their defaults and the station type (number of buttons) is erased.

The station is now waiting to have the station type (number of buttons) configured, indicated by the station LEDs blinking in a continuous Blink – Blink – Pause – Blink – Blink – Pause pattern. Configure the station type as described below.

Note:

NO other station setup can be performed until the station type is configured.

Set Station type (number of buttons):

The SYRSP comes from the factory configured with the button configuration matching the supplied faceplate. The only way to reconfigure the number of buttons is to re-initialize it. (described above)

To reconfigure the number of buttons, or if setup is lost:

1. Perform the re-initialization procedure (if not already done)
2. Enter Setup mode by pressing and holding the Setup Switch until you hear a beep.
3. Press each button that has, or will have, a button cap installed.
4. After each button press, the LED will be bright and solid (no blinking).
5. Once all buttons have been pressed, exit setup by pressing and releasing the setup switch. You will hear 3 short beeps indicating the station has returned to normal mode.

Photocell Installation

Careful consideration should be given to photocell placement to achieve maximum system performance.

Follow these guidelines for proper photocell installation:

1. Do not mount photocells in areas with exposure to direct sunlight or areas exposed to sunlight reflected from highly reflective surfaces.
2. Do not mount photocells next to fixtures not controlled by the photocell.
3. Do not mount photocells directly above indirect lighting fixtures.
4. Do not mount photocells within 6 feet of windows. Special consideration should be given for windows facing east or west to avoid exposure to direct sunlight.
5. Photocells should be evenly spaced between adjacent fixtures being controlled by the photocell.
6. Mount photocells over commonly used areas within the space being controlled.
7. Horizontal window blinds should not be adjusted to focus light directly on the photocell. Doing so will adversely affect dimming performance.
8. For optimum performance, the photocell should be located so it receives an equal amount of daylight and artificial light.

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Photocell Calibration - Daylight Harvesting Mode (Stand Alone Mode Only)

Photocell Calibration

The maximum amount of ambient light the photocell will see must be calibrated into the station by using this procedure. The SYRSP EXT uses this level to make internal photocell calculations. Calibration should be done while the photocell is seeing the maximum amount of available light.

The resolution on the analog input is approximately 1000 points. The higher the calibration reading the better. There needs to be at least 100 points measured in order to match the 0-100% levels used for dimming. Anything less will not allow the station accurate control over dimming and could possibly bounce between levels (strobing). Should there be less than 100 points, switch LED 3 will illuminate during calibration. Switches 7 & 9 allow the adjustment of the maximum set point level. During calibration, the maximum set point is calibrated to the maximum output of the controlled lighting. Sometimes it is desired to reduce this level so that lumen depreciation can be controlled, or the designed foot candle level in the space is too high. Switch 9 lowers the set point level and Switch 7 raises the set point. To save the set point, press and hold Switch 8 until you hear a beep (approximately 3 seconds).

To enter photocell calibration:

1. Enter Setup mode by pressing and holding the Setup Switch (for approximately 3 seconds) until you hear a beep. After hearing the beep, release the Setup Switch. The Setup LED should be blinking green once per second.
2. Press and hold Switch 3 (for approximately 3 seconds) until you hear a beep. The station will indicate calibration mode by the following sequence of events:
 - A. Flashing the lights to FULL/OFF/FULL.
 - B. The maximum light level will then be measured for approximately 30 seconds. During this time, the switch LEDs will illuminate in a repeating order from 3-2-1-3-2-1...
 - C. The lights will go off and the low level will be measured for approximately 10 seconds. During this time, the switch LEDs will illuminate in a repeating order from 1-2-3-1-2-3...
 - D. The lights will flash to indicate the end of calibration and return back to configuration mode.

To adjust the maximum set point level use switches 7 and 9 as described above.

3. Save the set point by pressing and holding (approximately 3 seconds) Switch 8 until you hear a beep. Once photocell calibration is complete you can either exit by pressing and releasing the setup switch, or modify the Sunlight Discount Factor Setting as described below.

Sunlight Discount Factor adjustment

In most installations the photocell measures the artificial light level differently than sunlight on a work surface. A Sunlight Discount Factor can be configured to compensate for this. Ideally, all of the light measured by the photocell will be light that is reflected off the work surface towards the sensor. This results in a constant ratio between the light level measured at the work surface and the light level measured at the photocell. However, in most cases the photocell also measures sunlight bouncing off other surfaces. The result is the ratio of ARTIFICIAL LIGHT hitting the work surface to ARTIFICIAL LIGHT measured at the photocell is different than the ratio of SUNLIGHT hitting the work surface to the SUNLIGHT measured at the photocell. This ratio is always higher for sunlight due to sunlight requiring a larger change (than artificial light) at the photocell to result in the same change at the work surface.

To compensate for this effect, the part of the light measurement from sunlight is divided by the Sunlight Discount Factor. This is possible since the artificial light contribution is known. The default setting is 2, the possible settings are 1-9. Pressing and releasing one of the 9 switches will set the discount factor, with the switch number indicating the discount factor setting. Note that changing the discount factor setting can affect the maximum set point level. You may need to re-adjust the set point level after changing the discount factor.

To enter Sunlight Discount Factor adjustment:

1. Enter Setup mode, (See page 13) the setup LED will blink green.
2. Press the Setup Switch again, the setup LED will now be blinking red.

The Sunlight Discount Factor can now be adjusted as described above using switches 1 - 9.

Exit Setup

To exit Setup Mode press and release the setup switch again. Upon exiting setup mode, you will hear 3 short beeps. Setup mode will also timeout after 60 seconds of inactivity.

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SYRSP Troubleshooting

SYMPTOM:

ALL BUTTON (GREEN) LEDS ARE FLASHING

Flashing in Unison:

An A4 network communication error has occurred. Check and verify all A4 network connections and verify the system controller is functioning properly. Refer to the controller operations manual for proper operating and troubleshooting instructions.

Blink – Blink – Pause – Blink – Blink – Pause pattern:

The station's button configuration has been lost. To reprogram the button configuration for an SYRSP station, follow these steps:

BUTTON RECONFIGURATION

1. Record the current setting of SWITCH 1 and SWITCH 2. (network address)
2. Set SWITCH 1 to "F" and SWITCH 2, bits 1 & 2, to the UP (ON) position. (network address "63") See Figures 8 for details.
3. Press and hold any button for more than 3 seconds. All button LEDs will start to flash.
4. Press and release each button. (The order in which the buttons are pressed is NOT important) After each button is pressed the button LED will stay on, no flashing.
5. Return SWITCH 1 and SWITCH 2 to the network address setting recorded earlier.

Note:

Only configure one station at a time on the A4 network.

SYMPTOM:

SYNERGY SYSTEM RESPONDS SLOWLY OR WILL NOT RESPOND TO SYRSP BUTTON PRESSES

Check the following:

1. Each device on the A4 network **must** have a unique address. **DUPLICATE ADDRESSES ARE NOT ALLOWED!** Using duplicate addresses will cause poor system performance, erratic operation and network communication errors.
2. Verify the A4 network address for each station by checking the Network Address Selection switches. See *Figure 4* for switch settings of a specific address.

Contact Synergy Lighting Controls Technical Support at 800-533-2719. Synergy Lighting Controls Technical Support is available from 8:00 a.m. to 5:00 p.m. EST, Monday through Friday, for phone consultation.

Warranty

Synergy Lighting Controls warrants all equipment to be free from defects in manufacturing under normal and proper storage, installation and operation for a period of one (1) year. Our guarantee liability extends only to the repair or replacement of the defective part and no labor charges for correction of the defect by repair or replacement will be honored by Synergy Lighting Controls unless prior written authorization has been granted by our Customer Service Department.

Visit Synergy Lighting Controls on the internet at <http://www.SynergyLightingControls.com> for additional information on products, technical data and installation instructions.