



Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

The Litronic® LPCS series power control station provides Class 2 power supply for operation of Litronic sensing heads and line voltage relay for on/off switching of lighting loads. The LPCS is designed to mount directly into a 1/2" junction box knock-out opening.

The LPCS can also be used to switch line voltage lighting loads from an output on a SYRS EXT or SYRS EXTDS.

The Litronic® LAR is an auxiliary relay that is powered from LPCS and provides control of an auxiliary 15AMP load.

FEATURES

- Indoor applications
- Threaded nipple on line voltage side
- Compact size is easy to install
- Mounts inside or outside junction box
- Approved for installation within ballast channel
- Optional dry output contact for signaling other systems
- Relay switches at zero cross for increased durability
- 5-year warranty

CONSTRUCTION

- Injection-molded housing
- 1/2" threaded nipple provided for mounting in junction box knocked opening
- Operating environment: 32°F to 104°F (0° C to 40°C), 0% to 90% non-condensing humidity
- INDOOR USE ONLY

OPERATION

- 24VDC, Class 2 output powers sensor head(s)

ELECTRICAL

LPCS MVOLT

- Input voltage: 120, or 277 volts, 60Hz
- Output: 24VDC at 150mA; short circuit protected
- Relay rating: 20A fluorescent, 20A incandescent
- Input 24VDC, 5MA

LPCS 347

- Input voltage: 347 volts, 60Hz
- Output: 24VDC at 120mA; short circuit protected
- Relay rating: 15A fluorescent
- Input 24VDC, 5MA

DCO-Dry Contact output

- Relay rating: .5A at 125VAC , 14 at 30VDC
- Included in LPCS MVOLT DCO enclosure

LAR

- Needs 24VDC input from an LPCS to operate
- Relay rating: 15A , single pole

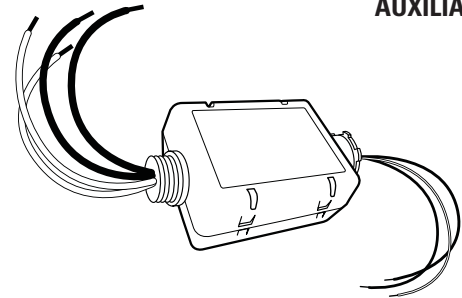
Specification-Grade Occupancy Sensors

LPCS

POWER CONTROL STATION

LAR

AUXILIARY RELAY



LITRONIC®

ORDERING INFORMATION

Example: **LPCS MVOLT**

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

LPCS	MVOLT	
Series	Voltage	Options
LPCS	MVOLT 120-277 Volts	DCO Dry Contact Relay Output ^{1,2}
LAR	347 347 Volts ²	

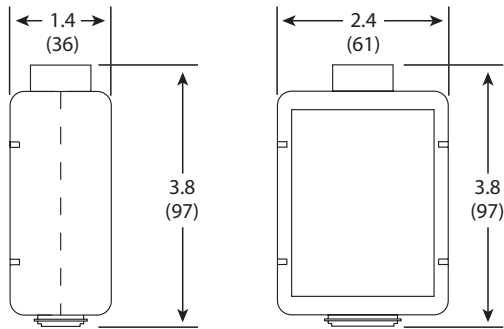
NOTES:

- 1 DCO comes standard on LPCS 347
- 2 Not available on LAR

LPCS Power Control Station

DIMENSIONS

All dimensions are inches (millimeters).



POWER PACK CAPACITY

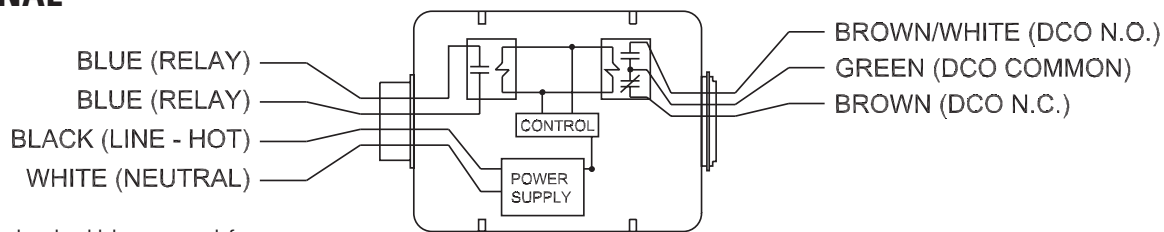
Total power supply load must be less than 150mA.

Sensor type	# Sensor heads per LPCS MVOLT*	#Sensor heads per LPCS 347*
LMT0 H (32mA)	4	3
LUS0 H (32mA)	4	3
LIRO H (20mA)	7	6
LMT H (30mA)	5	4
LIRC (20mA)	7	6
LUS H(30mA)	5	4

Auxiliary Relay

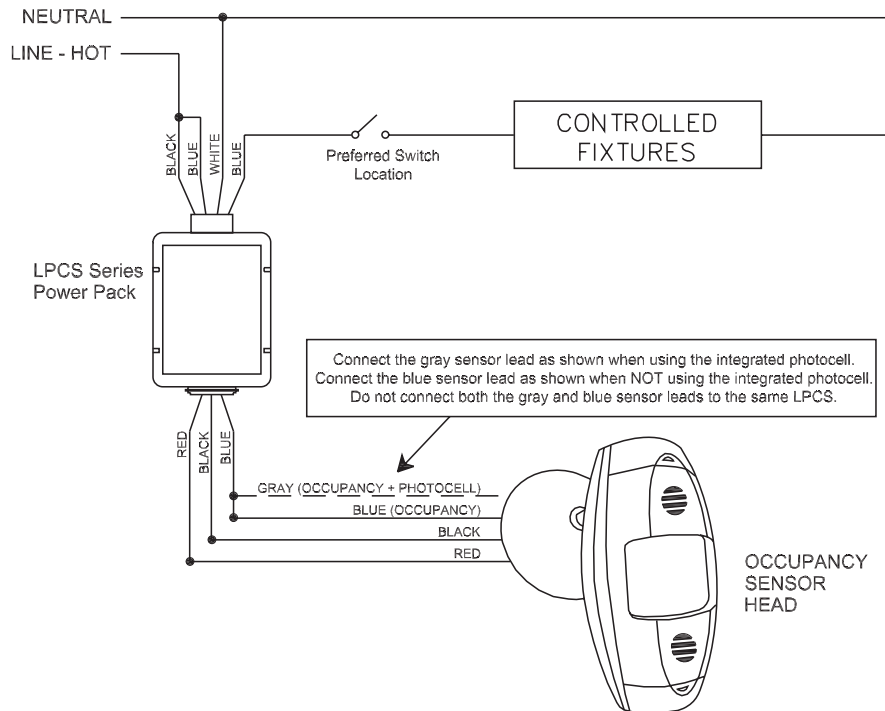
*LAR (50mA) - Must add to powerpack load calculations

FUNCTIONAL



LPCS Power Packs should be powered from unswitched power feed and before the wall switch. The sensors perform better if they are always powered.

WIRING DIAGRAM



An Acuity Brands Company