OccuSwitch Classic

LCA Series Power Packs
LCA2285/2287/2290/2292

The Philips OccuSwitch Classic Series Power Packs provide low voltage control for occupancy sensors. Typical applications include: bi-level lighting applications, classrooms, conference rooms, offices, and anywhere optimal lighting and energy savings are desired.

Containing both a 24VDC supply and a 20A line voltage relay for most models, these power packs provide low voltage power and line voltage control for Philips LRM series occupancy sensors. Versions include auto-on and manual-on inputs for occupancy sensors, hold-on and hold-off capabilities, and a local input for momentary or maintained dry contact switches.

The internal relay can control up to 20A for a 120, 230, or 277VAC ballast load and 15A for a 347VAC ballast loads. The relay can control 20A for a 120VAC incandescent load. LCA Series Power Packs conveniently mount in a knockout hole of a standard junction box. The units can be placed inside or outside the junction box with a simple twist-on nut.

LCA2285 unit features

- Self-contained transformer and relay
- Internal voltage regulator—regulated 24VDC current, 150mA output
- Fast installation—mounts inside or outside junction box, or inside fluorescent ballast cavity with a simple twist-on nut
- Single or multiple luminaire control
- Heavy duty zero crossing circuitry UL 2043 Plenum rated

LCA2287 and LCA2290 units feature

Includes the same features as LCA2285, plus:

- HVAC relay option
- Companion add-a-relay provides additional capacity

LCA2292 unit features

Includes the same features as LCA2287, plus:

- CEC Title 24 compliant manual-on, automatic-off operation

Compatibility

- Compatible with Philips Advance Optanium programmed start electronic fluorescent ballasts and Xitanium LED drivers

Job Information Device Type #: _____

Job Name: _____

Cat. No.: _____

Notes:

PHILIPS

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Technical specifications*:

Construction: Case: high impact, UL rated plastic; relay: Class B (130°C) insulating material; silver alloy contacts; switching power supply: 120–230–277VAC; wire: 6" leads, 18AWG input; LV connections: 7" leads 22AWG

Dimensions: 2.400" H x 3.811" W x 1.432" D (60.96 mm x 96.80 mm x 36.37 mm)

Listings: UL/cUL Listed, FCC Certified, NOM Certified, and meets ASHRAE 90.1 requirements

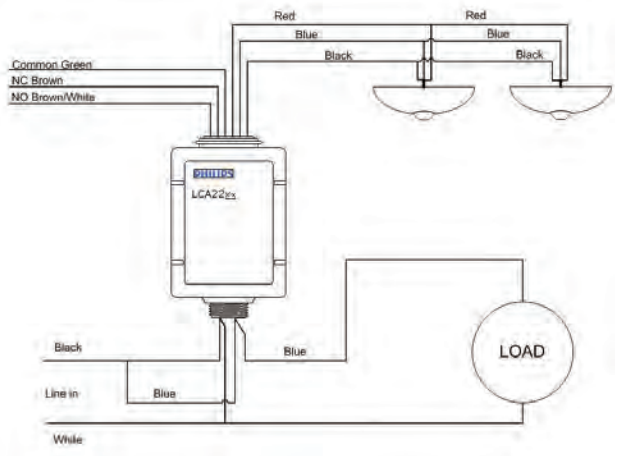
Operating environment: 32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing, relative humidity. For indoor use only

Optional: HVAC Relay: 0.5A @ 120VAC, 1.0A @ 30VDC

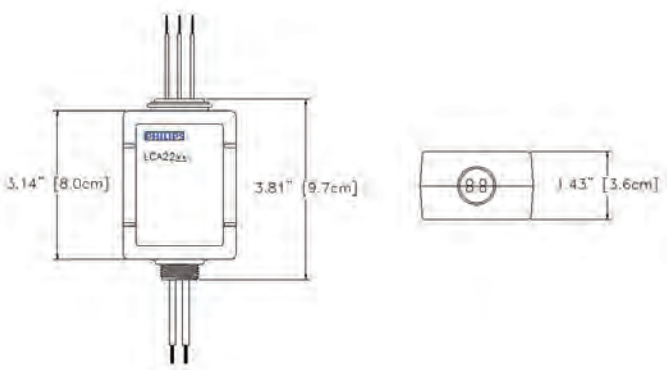
Power ratings

Catalog Number	Power	Rating	Control Power Output
LCA2285	120–230–277VAC, 50/60Hz	20A Fluor/Inc @ 120V, 20A Fluor @ 230–277V ; 1HP/120V, 2HP 240V	150mA, 24VDC
LCA2287	120–230–277VAC, 50/60Hz	20A Fluor/Inc @ 120V, 20A Fluor @ 230–277V ; 1HP/120V, 2HP 240V; HVAC: 0.5A @ 120, 1A @ 30VDC	150mA, 24VDC
LCA2290	347VAC, 60Hz	15A Fluorescent; 1HP/120V, 2HP 240V; HVAC: 0.5A @ 120, 1A @ 30VDC	120mA, 24VDC
LCA2292	120–230–277VAC, 50/60Hz	20A Fluor/Inc @ 120V, 20A Fluor @ 230–277V ; 1HP/120V, 2HP 240V; HVAC: 0.5A @ 120, 1A @ 30VDC with dry contact and relays for California Title 24	225mA, 24VDC

Wiring diagram:



Dimensions:



Note: The 347V Power Pack configuration is a separate device

*Subject to change without notice.

Ordering information

Ordering Code	Description
LCA2285	Power Pack 120/277VAC
LCA2287	Power Pack 120/277VAC, HVAC Relay
LCA2290	Power Pack 347VAC, HVAC Relay
LCA2292	Power Pack 120/277VAC, HVAC Relay, Title 24 Manual On

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