PSP-900 Series

Retrofit Switch Pack for HID Fixtures

- Step-dims HID fixture to half power based on aisle occupancy
- Obtains switching signals from nearby motion sensors via plastic optical fiber
- Compatible with standard, not-dimming-ready HID fixtures that are not equipped with a split capacitor.
- Unitized construction: fiber transceiver, dimming capacitor, and switching relay in same enclosure
- Universal multi-volt operation: 120-480VAC/60 Hz and all voltages in between without taps or wire jumpers
- Microprocessor-based design assures start-on-high to maximize lamp life
- Mounts on ballast housing and requires no downward aiming

PSP-902 Switch Pack

PSP-902 Switch Pack on Hubbell Fixture

Occupancy-Based Step Dimming.
The PSP-900 series fiber optic switch pack step-dims a single HID fixture based on occupancy signals received from nearby PIP-series motion sensors equipped with plastic optical fiber signalling.

Any HID Fixture Can Be Dimmable.
The PSP-900 family is compatible with constant wattage HID fixtures regardless of manufacturer, line voltage, or whether the fixture was shipped dimming ready from the factory.

This switch pack works with standard HID fixtures not factory-equipped for dimming applications. This feature is made possible by a Viewpoint-supplied dimming capacitor inside the switch pack. The switch pack's internal capacitor, in tandem with the fixture's standard capacitor, eliminates the need to order costly dimming-ready fixtures that often require long delivery time.

Mounts to Ballast Housing.
PSP-900 series switch packs feature a unitized injection-molded enclosure housing the optical fiber transceiver, dimming capacitor and switching relay. The switch pack can be mounted directly to the ballast housing of the HID fixture using an optional mounting bracket and electrical connector supplied by Viewpoint Electronics.

Universal Multi-Volt Operation.
Forget the stocking problems and field installation headaches associated with line voltage compatibility! This sensor works with HID fixtures rated 120-480VAC (including all voltages in between) without taps or jumpers.

Self Diagnostic Features.
The switch pack features an LED lamp that blinks three distinct diagnostic patterns to assist with installation and debugging of aisle networks using plastic optical fiber.

A manual test switch on the switch pack permits an installer to toggle the relay and confirm proper operation of the attached HID fixture.

Guaranteed Lamp Start-On-High.
Viewpoint's microprocessor-based architecture fosters full rated HID lamp life by assuring that the lamp always starts on high, even after AC power bumps or loss of fiber optic signals.

Plug 'n' Go with Compatible Fixtures.
HID fixtures can be special-ordered from participating manufacturers pre-connectorized for easy attachment to a PSP-900 switch pack. Wiring to these plug 'n' go fixtures requires less than 30 seconds and nothing more than a screwdriver.

Benefits of Fiber Networking.
Eliminate conflicts with local building codes that occasionally require low-voltage copper signaling conductors to be conduited! PSP-900 series switch packs have communication jacks that accept low-cost plastic optical fiber. This copper-less fiber can be attached to the outside of existing conduit.

Fiber networking allows the creation of lighting control zones as small as two fixtures or as large as an entire aisle.

No need to worry about fiber signal degradation in long aisles. These devices regenerate the control signal at full strength and clarity at each node. Plastic optical fiber can be installed without expensive tools, specialized connectors or installer training.

Compatible with PIP-900 Series Retrofit Motion Sensors.
PSP-900 series switch packs are designed to be compatible with PIP-900 fiber optic retrofit motion sensors sold by Viewpoint. PSP-900 switch packs are less expensive than motion sensors. Switch packs attach to the ballast housing and don't require "pipe-from-ceiling" mounting or downward aiming. Switch packs have lower off-centered weight and cause less tilting of fixtures mounted on swivel hooks.

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