

Opto-Pak® Controllers for GEMS Electro-Optic Switches

Extend power and switching capabilities of 12 VDC Electro-Optic switches

- ▶ Converts TTL output signal to an SPDT 5 Amp relay output.
- ▶ Operates with 12 VDC ELS-1100, ELS-1100HT*, ELS-1150, ELS-1200* and ELS-300 Series Electro-Optic Switches.
- ▶ Available as open board or mounted in NEMA 4X junction box.

GEMS Opto-Pak Controllers convert standard 110 VAC line current to the 12 input power required for ELS-1100 and ELS-300 operation, and provide an SPDT, 5 Amp relay output for direct control of moderate loads. Two models are available: an open circuit board Opto-Pak Controller for incorporation into custom enclosures, and the self-contained, NEMA 4X model pictured here.

*12 VDC versions only.

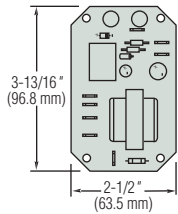
Specifications

Voltage Input	115 VAC ±10%, 50/60 Hz
Maximum Current Draw	70 mA @ 120 VAC
Relay Output	SPDT; 5 Amps @ 115 VAC, 5 Amps @ 30 VDC
Operating Temperatures	-13°F to + 158°F (-25°C to + 70°C)
Electrical Connections	1/4" Male Spade Terminals*

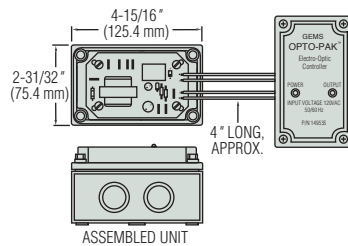
*Ten (10) 1/4" female spade connectors (not shown) shipped loose with each unit.

Dimensions

Open Circuit Board Type



NEMA 4X Type



Green and Red LEDs indicate power and output status.

Typical Applications

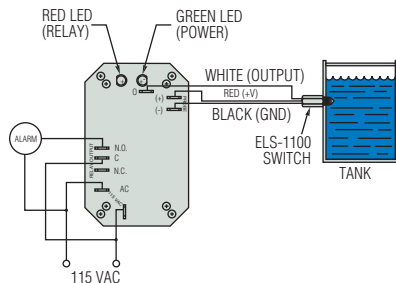
Works with 12V units:

- ELS-1100
- ELS-1100HT
- ELS-1200
- ELS-1100FLG
- ELS-1150
- ELS-950

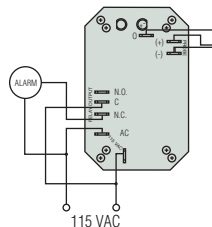
Output Light State When Liquid is Present

Wet Sink	OFF
Dry Sink	ON
Sensor Not Connected	ON

Typical Wiring
Normally Open



Normally Closed



How To Order

Specify Opto-Pak™ Controllers by Part Number.

Description	Part Number
Open Board	149536
NEMA 4X Enclosure	149535