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.

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.

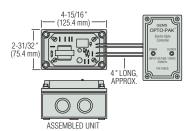
Dimensions

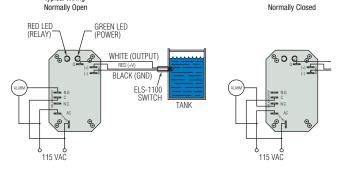
Open Circuit Board Type



Typical Wiring

NEMA 4X Type





How To Order

Specify Opto-Pak™ Controllers by Part Number.

Description	Part Number
Open Board	149536
NEMA 4X Enclosure	149535



Green and Red LEDs indicate power and output

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	0FF
Dry Sink	ON
Sensor Not Connected	ON

^{*12} VDC versions only.