

GENERAL PURPOSE RELAYS

LY2N Series



FEATURES:

- High switching power
- Compact size
- 10A switching capacity
- 2 pole configuration
- DC or AC coils
- High sensitivity

DESCRIPTION:

The LY2N series industrial relays in conjunction with the PTF08A0E base can be used for a wide range of commercial or industrial applications.

The LY2N has a 2 pole change-over configuration. It's wide terminals allow reliability at large currents.

GENERAL SPECIFICATIONS:

Contact Configuration	2 change over (DPDT) -2 form C 10A	Ambient Humidity	35% to 85%
Nominal Coil Power	0.9 W DC - 1.2VA AC	Vibration resistance	10 to 55Hz, 1mm (0.04") double amplitude
Operating Time (at nominal voltage)	≤25ms	Shock resistance	200m/s ² (200G) (Functional)
Release Time (at nominal voltage)	≤25ms	Termination (Relay)	Flanges (blades) 5 mm (0.20")
Ambient Temperature	-25°C to 55°C (-13°F to 131°F)	Construction	Duct Cover
		Weight	40g (1.41oz)

Coil Characteristics, DC @ +23°C (+73°F), coil power 900mW

Coil Code	Nominal Voltage Vdc	Pick-up Voltage Vdc	Drop-out Voltage Vdc	Max. Allowed Voltage Vdc	Coil Current mA	Coil Resistance Ω
12	12	9.6	1.2	13.2	75	160
24	24	19.2	2.4	26.4	36.9	650

Coil Characteristics, AC @ +23°C (+73°F), coil power 1.2VA

Coil Code	Nominal Voltage Vac	Pick-up Voltage Vac	Drop-out Voltage Vac	Max. Allowed Voltage VAC	Coil Current mA		Coil Resistance Ω
					50Hz	60Hz	
A24	24	22.4	7.2	26.4	53.8	46	180
A120	120	96	36.0	132	10.8	9.2	4430

PRODUCT ORDERING INFORMATION:

SERIES	DESCRIPTION
LY2N	10 amp contacts, DPDT w/ Neon Light

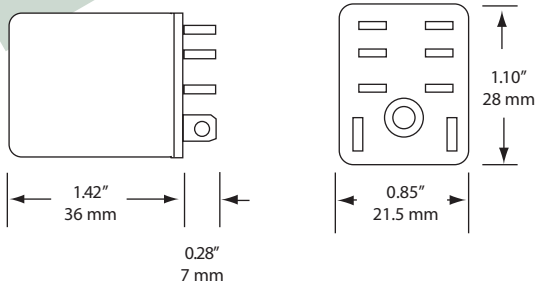
CODE	COIL VOLTAGE
12VDC	Low voltage DC, 12 VDC
24VDC	Low voltage DC, 24 VDC
24VAC	Low Voltage AC, 24 VAC
120VAC	High voltage AC, 120 VAC

LY2N	24VDC
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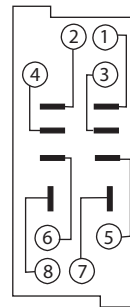
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DIMENSIONS:

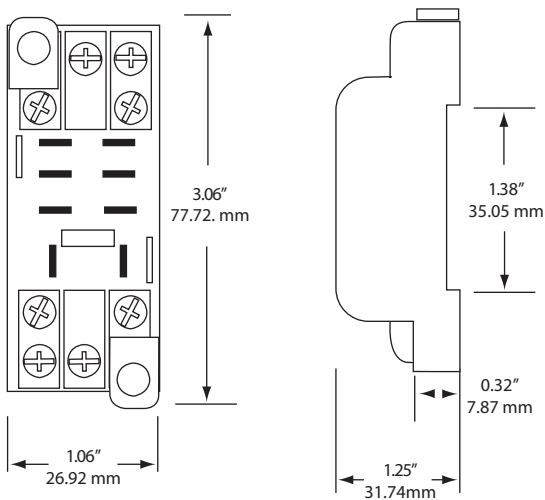
LY2 Relay - Omron



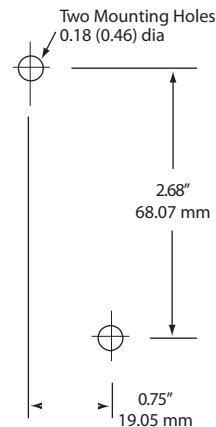
WIRING DIAGRAM:



PTF08A-E Base



DRILLING PATTERN:



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RoHS
COMPLIANT



Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC sensors and transducers for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM