

# 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:

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

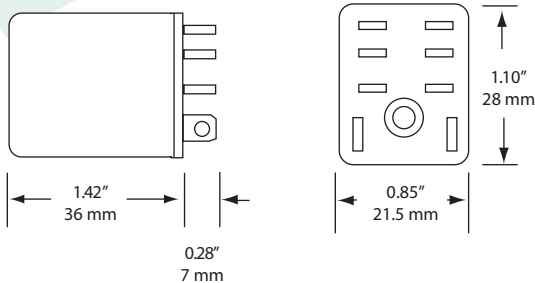
CODE	COIL VOLTAGE
12VDC	Low voltage DC, 12 VDC
24VDC	Low voltage DC, 24 VDC
24VAC	Low Voltage AC, 24 VAC
120VAC	High voltage AC, 120 VAC

LY2N	24VDC
------	-------

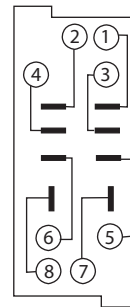
Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

## DIMENSIONS:

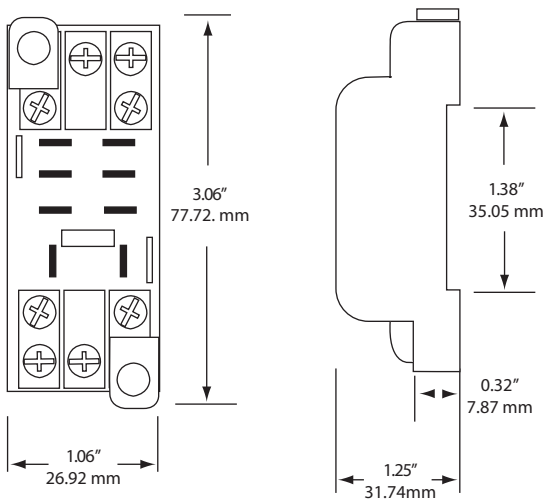
### LY2 Relay - Omron



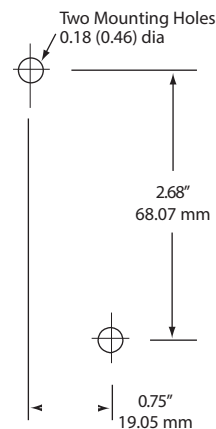
## WIRING DIAGRAM:



### PTF08A-E Base



## DRILLING PATTERN:



# GREYSTONE

ENERGY SYSTEMS INC

Greystone Energy Systems, Inc.  
150 English Drive, Moncton, NB  
Canada E1E 4G7

(506) 853-3057 Fax: (506) 853-6014  
North America: 1-800-561-5611  
e-mail: mail@greystoneenergy.com  
www.greystoneenergy.com

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