

# AC Input Unit G32A-B

## AC Input Unit Enabling AC Operation

- Connects to a maximum of two G3PA-VD Relays.



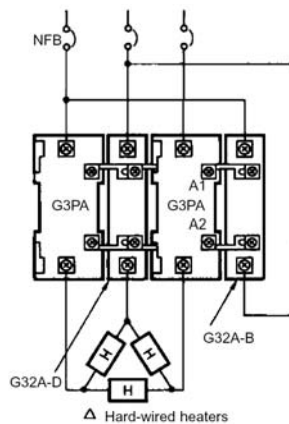
## Ordering Information

Name	Rated input voltage	Model
AC Input Unit	100/120 VAC	G32A-B
	200/240 VAC	

## Application Example

### ■ AC Operation

Two G3PA-VD Relays and One G32A-B AC Input Unit



**Note:** 1. Two voltage specifications are available for the G32A-B, 100/120 VAC and 200/240 VAC.

2. The G32A-B can only be used with the G3PA-VD.

# Specifications

## ■ Ratings

Item		Rated input voltage	
		100/120 VAC	200/240 VAC
Rated input current	50Hz	100 (200) VAC	21.4 mA TYP
		120 (240) VAC	26.5 mA TYP
	60Hz	100 (200) VAC	25.4 mA TYP
		120 (240) VAC	31.6 mA TYP
Must operate voltage		75% max. of the rated voltage	
Reset voltage		10% min. of the rated voltage	
Output voltage/current		12 VDC $\pm$ 15%/15 mA max.	

## ■ Characteristics

Item	Rated input voltage	
	100/120 VAC	200/240 VAC
Input voltage range	75 to 132 VAC	150 to 264 VAC
Operating time	1.5 cycles max. of load power supply	
Reset time	1.5 cycles max. of load power supply	
Vibration resistance	10 to 55 Hz, 0.75-mm double amplitude (when mounted to DIN track)	
Shock resistance	300 m/s <sup>2</sup> (Approx. 30 G)	
Ambient temperature	Storage: -30 to 100°C (with no icing or condensation) Operating: -30 to 80°C (with no icing or condensation)	
Ambient operating humidity	Operating: 45% to 85%	
Weight	Approx. 80 g	

## Precautions

For details on connecting linking terminals, contact an Omron representative.

## ■ Input

The capacitor drop method is used in the internal circuit of the G32A-B. As a result, if the input of the G32A-B is switched using mechanical relays, when power is OFF, the capacitor will cause a voltage (approximately twice the power supply voltage) to be applied to the relay contacts.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters into inches, divide by 25.4

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