

How do I ensure safe and proper use of Omron inverters?

To ensure safe and proper use of the OMRON Inverters, please read this USER'S MANUAL (Cat. No. I516-E1) to gain sufficient knowledge of the devices, safety information, and precautions before actual use. The products are illustrated without covers and shieldings for closer look in this USER'S MANUAL.

How do Omron inverters work?

Omron inverters (drives) are useful in many types of applications. During installation, the inverter keypad (or other programming device) will facilitate the initial configuration. After installation, the inverter will generally receive its control commands through the control logic connector or serial interface from another controlling device.

What is a digital operator panel on an Omron inverter?

Glossary Section A-1 Digital Operator Panel For Omron inverters, "digital operator panel" (DOP) refers first to the operator keypad on the front panel of the inverter. It also includes hand-held remote keypads, which connect to the inverter via a cable. Finally, the DOP Professional is a PC-based software simulation of the keypad devices.

Does Omron inverter have a run/program mode?

Note Some factory automation devices such as PLCs have alternative Run/Program modes; the device is in either one mode or the other. In the Omron inverter, however, Run Mode alternates with Stop Mode, and Program Mode alternates with Monitor Mode.

What is a single phase Omron inverter?

In theory, the voltage potential on Neutral stays at or near Earth Ground, while Hot varies sinusoidally above and below Neutral. This power source is named Single Phase to differentiate it from three-phase power sources. Some Omron inverters can accept single phase input power, but they all output three-phase power to the motor.

How many Hz does an Omron inverter have?

Most motors will specify a 50 to 60 Hz value. The Omron Omron inverters have a programmable base frequency, so you must ensure that parameter matches the attached motor. The term base frequency helps differentiate it from the carrier frequency. See also Carrier Frequency and Frequency Setting.

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