

## Monitoring Motor Amperage



### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Follow safe electrical work practices. See NFPA 70E in the USA, or applicable local codes.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Read, understand and follow the instructions before installing this product.
- Turn off all power supplying equipment before working on or inside the equipment.
- Use a properly rated voltage sensing device to confirm power is off.  
DO NOT DEPEND ON THIS PRODUCT FOR VOLTAGE INDICATION
- Only install this product on insulated conductors.

Failure to follow these instructions will result in death or serious injury.

The information provided herein is intended to supplement the knowledge required of an electrician trained in high voltage installations. There is no intent to foresee all possible variables in individual situations, nor to provide all training needed to perform these tasks. The installer is ultimately responsible to assure that a particular installation will be and remain safe and operable under the specific conditions encountered.

### Introduction

Measuring amperage on a motor or other load can provide a rough estimate of the loading on the motor. True motor loading can only be measured with a power or kW transducer (see power metering section). Analog current sensors provide industry-standard voltage or current outputs proportional to the current flowing in the sensed conductor. This output can then be converted to reflect motor amps using software scaling in the automation system panel.

### Analog Sensor Output

