

# AC Voltage Detector with Relay (VDR 2800 MK)

## General Description

The AC Voltage Detector with Relay monitors the presence or absence of AC voltage. It detects voltage when connected to Picars monitoring system with dry contact inputs, battery, sensor, or other device. The internal relay closes when sensing voltage above 60VAC and opens when sensing voltage 55VAC and below.



## Features and Electrical Specifications:

- Monitors the presence or absence of AC voltage, 5250 VAC. ,,
- 2-position screw-terminal connection.
- Supports 2-wire sensor cable up to 1,000 feet (305 meters).
- Available with a standard US 120V 10A NEMA 5-15 plug or universal 250V IEC C14 socket.

## Technical Specifications/ Parameters:

- Storage temperature: 32 to 158°F (0 to 70°C). ,,
- Operating and Storage Relative Humidity: 17 to 90% non-condensing RH. ,,
- Regulatory approvals: CE, RoHS
- Operating temperature: 32 to 140°F (0 to 60°C).
- ENVIROMUX-ACVDRLY-515: Standard US 120V 10A NEMA 5-15 plug on attached 5.5-foot (1.67-meter) cord.
- ENVIROMUX-ACVDRLY-C14: Universal 250V IEC C14 socket on attached 6-inch (0.15-meter) cord.
- Sensor type: open/closed contact switch. ,,
- Includes internal relay.
  1. Maximum close voltage: 90VAC @ 60Hz, 108VAC @ 50Hz
  2. Minimum open voltage: 10VAC @ 60Hz, 12VAC @ 50Hz
- Measurement range: detects mains voltage from 50 to 250 VAC. ,,
- Measurement indication: Alarm or Normal. ,,
- Includes 6-foot (1.8-meter) 2-wire cable to connect to Picars