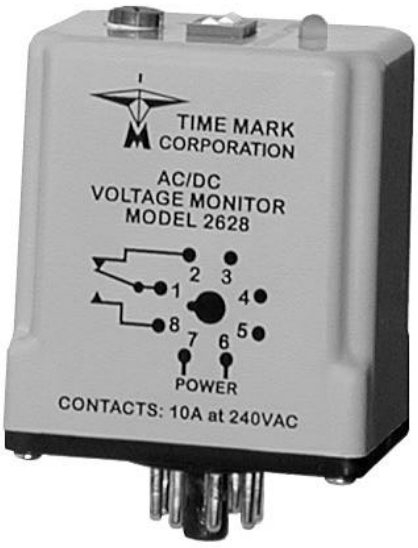
MODEL 2628

AC/DC Voltage Monitor



- **Monitors Over or Under Voltage**
- **AC or DC from 15 to 260 Volts**
- **Adjustable Trip Points**
- **Automatic Reset**

DESCRIPTION

The **Model 2628 AC/DC Voltage Monitor** is designed to continuously monitor any AC or DC voltage from 15 to 260 volts.

Input voltages above the setpoint cause the output contacts to energize. Input voltages below the setpoint cause the output contacts to de-energize. The dead band between pull-in and drop-out is less than 5%.

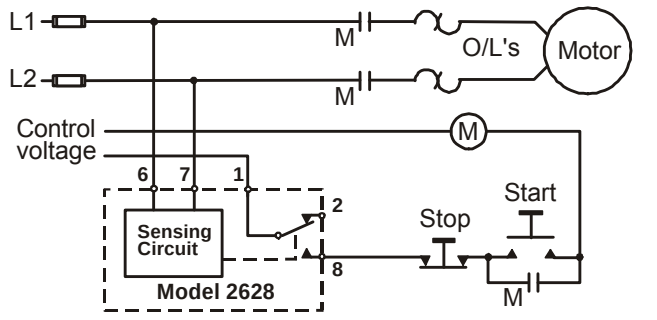
Dip switches are used on the Model 2628 to choose between AC and DC voltage monitoring, and to select one of the eight trip level ranges. Each trip level has a 35 volt range, with a 5 volt overlap between the ranges. The unit has a screwdriver adjustment to set the exact trip point within that 35 volt range.

SPECIFICATIONS

Model	2628
Supply Voltage	15 to 260 VAC or VDC
Max Supply Voltage	280 VAC or 300 VDC
Power Consumption	1.5 watts max.
Transient Protection	2500 V for 10 msec
Setpoint Stability	± 1%
Response Time	1 sec ON / 100 msec OFF
Reset Type	Automatic
Dead Band	less than 5% all ranges
Contact Rating	SPDT 10A at 240 VAC resistive
Expected Relay Life	Mech: 10 million operations Elec: 100,000 at rated load
Operating Temperature	-13° to +122° F
Humidity Tolerance	0-97% without condensation
Enclosure Material	ABS plastic
Weight	5 oz.
Mounting	8-pin socket (*order separately)

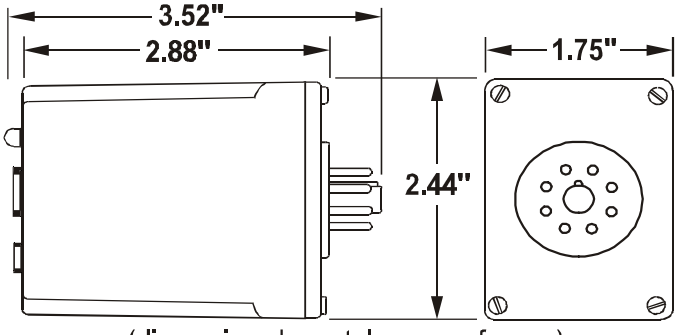
* Order 8-pin socket number **51X120**

TYPICAL APPLICATION



Shows No Power Applied

DIMENSIONS



(dimensions have tolerance of ± 0.06)

Telephone: Main - (918) 438-1220
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Doc No. 87A395 12/00

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MODEL 2628 AC/DC Voltage Monitor

READ ALL INSTRUCTIONS BEFORE INSTALLING, OPERATING OR SERVICING THIS DEVICE.
KEEP THIS DATA SHEET FOR FUTURE REFERENCE.

GENERAL SAFETY

**POTENTIALLY HAZARDOUS VOLTAGES ARE PRESENT AT THE TERMINALS OF THE MODEL 2628.
ALL ELECTRICAL POWER SHOULD BE REMOVED WHEN CONNECTING OR DISCONNECTING WIRING.
THIS DEVICE SHOULD BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL.**

Installation Instructions

WARNING

THE MODEL 2628 IS NOT TO BE USED IN APPLICATIONS WHERE VOLTAGES IN EXCESS OF 300 VAC ARE TO BE MONITORED OR SWITCHED.

INSTALLATION

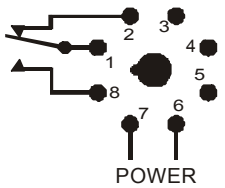
Connect the voltage to be monitored to the socket using the Pin Diagram pictured on this data sheet and on the unit as a reference (contacts are shown in the de-energized condition).

The output contacts used will depend on whether the Model 2628 is used to detect over-voltage or under-voltage, and whether the unit will shut off a load, or trip an alarm.

The monitor's internal relay will energize when the input voltage is above the trip level setting. This allows the unit to be set to detect over-voltage (relay will energize on fault). The LED indicator will illuminate whenever the relay is energized.

NOTE: *When installing the **Model 2628 Voltage Monitor** in areas of high humidity or contamination, it is recommended that the base area and all exposed metal parts of the socket be coated liberally with a good quality silicon grease, such as Dow Corning DC-4 or DC-4X. Insert the unit into the socket and wipe off excess grease around the base. This will prevent the entrance of moisture and other contaminates into the base and socket areas.*

PIN DIAGRAM



Shown De-Energized

ADJUSTMENT PROCEDURE

Select the range where the desired trip voltage falls in between the choices shown on the chart shown below. The same Range Chart is also screened on the unit.

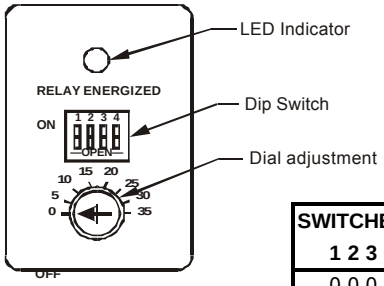
Set the dial to the difference between the desired voltage and the low number selected.

TROUBLESHOOTING

Should the Model 2628 AC/DC Voltage Monitor fail to operate, check all connections. Verify that the proper voltage is present, and check all fuses. Should problems persist, contact the factory at 800-862-2875, for assistance (Monday thru Friday, 8 a.m. to 5 p.m. CST).

WARRANTY

The **Model 2628 AC/DC Voltage Monitor** is warranted to be free from defects in materials and workmanship, and is covered by our exclusive **5-year Unconditional Warranty**. If this device fails to operate, for any reason, we will repair or replace it, free, for five years from the date of purchase. Contact the Time Mark Sales department, Monday through Friday; 8 a.m. to 5 p.m., CST, for further details.



SWITCHES 1 2 3	RANGE	SWITCH 4
0 0 0	15 - 50	ON=DC
1 0 0	45 - 80	OFF=AC
0 1 0	75 - 110	
1 1 0	105 - 140	
0 0 1	135 - 170	
1 0 1	165 - 200	
0 1 1	195 - 230	
1 1 1	225 - 260	
		0=OFF 1= ON

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