



COMPLIES WITH REQUIREMENTS OF

- * IEC STANDARDS 947-4-1 AND 947-5-1 LOW VOLTAGE DIRECTIVE
- * IEC = INTERNATIONAL ELECTROTECHNICAL COMMISSION

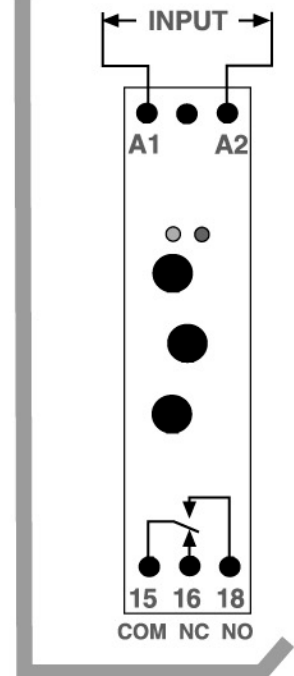
MANUFACTURED UNDER ISO 9002

FEATURES	BENEFITS
INDEPENDENT UPPER AND LOWER LIMITS	SENSE OVER VOLTAGE, UNDER VOLTAGE OR BOTH
TIME DELAY	AVOID NUISANCE TRIPPING
TWO STATUS LEDs	INDICATES STATUS AT A GLANCE
DIN MODULE	CLIP DIRECTLY TO 35 mm DIN RAIL

NEW

GENERAL SPECIFICATIONS (@ 25°C)

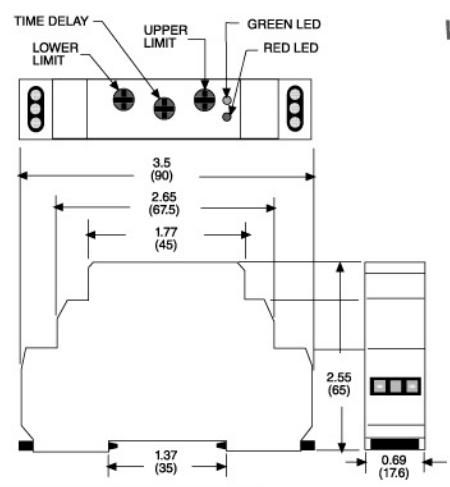
	UNITS	831VS-120A	831VS-240A	831VS-24D
INPUT/SENSING				
Standard Voltage Nominal:	VAC 50/60 Hz	120	240	24VDC
Input Voltage Absolute Maximum:	VAC 50/60 Hz	200	280	35VDC
Upper Input Voltage Range:	VAC 50/60 Hz	80 to 150	160 to 276	6 to 30 VDC
Lower Input Voltage Range:	%	30 to 99 of upper limit voltage	30 to 99	30 to 99
Power Consumption:	maximum	1.2 VA		
Transient Protection:		Yes		
Reverse Polarity Protection:		Not Applicable		
Operate Time:	mS maximum	25		
Release Time:	mS maximum	20		
Input Indication:		Green LED		
TIMING				
Time Scales:		1		
Time Range:		0 to 10 second		
Setting Adjustment:		Recessed potentiometer		
Timing Deviation (mechanical setting):	%	5		
Timing Repeatability (Constant voltage and temperature):	%	<1		
Reset Time:	mS maximum	150		
OUTPUT				
Contact Rating AC Amperes (AC1):	VAC 50/60Hz	15 amps resistive @ 120,240		
Contact Rating DC Amperes (DC1):	VDC	15 amps resistive @ 24		
Contact Rating Pilot Duty:	mW	500		
Contact Material:		Silver-Nickel 90/10		
Output Indication:		Red: LED: Blinks = timing On = energized		
DIELECTRIC STRENGTH				
Across Open Contacts:	V rms	1,000		
Input to Contacts:	V rms	2,500		
Pole to Pole:		Not applicable		
TEMPERATURE				
Operating, Lower:	°C	-20		
Operating, Upper:	°C	+55		
Storage, Lower:	°C	-30		
Storage, Upper:	°C	+70		
LIFE EXPECTANCY				
Electrical Full Load	operations	70,000		
Mechanical @ no Load :	operations	10.000.000		
MISCELLANEOUS				
Operating Position:		Any		
Maximum Wire Size		2.5 mm (UL-14 gauge)		
Cover Protection Category:	IP	40		
Pollution Degree:		2		
Terminals:	Inch	Captive screws		
Weight:	grams	60		



TYPE 831 IS A SINGLE PHASE AC VOLTAGE SENSOR CAPABLE OF MONITORING AND REACTING TO OVER AND UNDER VOLTAGE CONDITIONS WITHOUT NUISANCE TRIPPING



OUTLINE DIMENSIONS DIMENSIONS SHOWN IN INCHES & (MILLIMETERS).



STANDARD PART NUMBER
831VS-120A
831VS-240A
831VS-24D

