A/11 N.A.A.				REVISIONS		
VILMA	RTM PROTECTIVE RELAYS-W	WOUVI-3-SERIES		DESCRIPTION INITIAL DRAWING	DATE APPROV	
		A 1/A	TERMINA #6 - 32 S	CREWS		
	4 M	<sup>1</sup> 64 <sup>°</sup> DIA. <sup>CG.</sup> HOLES Iy values by 25.4 for dimensions in mm. <u>MODELS</u> THREE PHASE	MODELS			
	INPUT VOLTAGE SPARES FOR	SLB FORM A A B C SPANE F INPUT VOLTAGE	ХАЛ В КОЛИ А			
			in Form a			
	Part Number	WOUVT	ru B Form A			
	Part Number Nominal Voltage	<b>WOUVT</b> 120 VAC to 575 VAC	ren B form a			
	Part Number Nominal Voltage Phase	WOUVT       120 VAC to 575 VAC       Single or Three	Rel B FORM A			
	Part Number Nominal Voltage Phase Line Frequency	WOUVT 120 VAC to 575 VAC Single or Three 50-400 Hz				
	Part Number Nominal Voltage Phase Line Frequency Type of Sensing	WOUVT         120 VAC to 575 VAC       Single or Three         50-400 Hz       Average of all three phases		r adjustable		
	Part Number Nominal Voltage Phase Line Frequency Type of Sensing Undervoltage Trip	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage	e, screwdrive	(171)		
	Part Number         Nominal Voltage         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage	e, screwdrive ige, screwdriv	ver adjustable		
	Part Number         Nominal Voltage         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwd	e, screwdrive ige, screwdriv	ver adjustable		
	Part Number         Nominal Voltage         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwd2% maximum	e, screwdrive ige, screwdriv	ver adjustable		
	Part Number         Nominal Voltage         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential         Output Contacts	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwde2% maximumOne set N.O., One set N.C.	le, screwdrive Ige, screwdriv river adjustabl	ver adjustable		
	Part Number         Nominal Voltage         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential         Output Contacts         Contact Ratings	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwd2% maximum	le, screwdrive Ige, screwdriv river adjustabl	ver adjustable		
	Part Number         Nominal Voltage         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential         Output Contacts	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltag100-125% of nominal voltag0.5 to 20 seconds, screwd2% maximumOne set N.O., One set N.C.5 amp resistive at 120 VAC	le, screwdrive Ige, screwdriv river adjustabl	ver adjustable		
	Part Number         Nominal Voltage         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential         Output Contacts         Contact Ratings         Operating Temperature Range         Power Consumption	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwd2% maximumOne set N.O., One set N.C.5 amp resistive at 120 VAC-40°C to +70°C	le, screwdrive Ige, screwdriv river adjustabl	ver adjustable		
	Part Number         Nominal Voltage         Phase         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential         Output Contacts         Contact Ratings         Operating Temperature Range         Power Consumption	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwd2% maximumOne set N.O., One set N.C.5 amp resistive at 120 VAC-40°C to +70°C	e, screwdrive ige, screwdriv river adjustabl or 28 VDC	ver adjustable le		
	Part Number         Nominal Voltage         Phase         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential         Output Contacts         Contact Ratings         Operating Temperature Range         Power Consumption	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwd2% maximumOne set N.O., One set N.C.5 amp resistive at 120 VAC-40°C to $+70^{\circ}$ C4 VA maximumWOUVT-3-416AC=W	e, screwdrive ige, screwdriv river adjustabl or 28 VDC	ver adjustable le /ER/UNDE dwg no.		
AD	Part Number         Nominal Voltage         Phase         Phase         Line Frequency         Type of Sensing         Undervoltage Trip         Undervoltage Trip         Overvoltage Trip         Drop-out Time Delay         Pick-up to Drop-out Differential         Output Contacts         Contact Ratings         Operating Temperature Range         Power Consumption	WOUVT120 VAC to 575 VACSingle or Three50-400 HzAverage of all three phases70-100% of nominal voltage100-125% of nominal voltage100-125% of nominal voltage0.5 to 20 seconds, screwd2% maximumOne set N.O., One set N.C.5 amp resistive at 120 VAC-40°C to $+70^{\circ}$ C4 VA maximumWOUVT-3-416AC=W	e, screwdrive ige, screwdriv river adjustabl or 28 VDC	ver adjustable le		

### WILMARTM PROTECTIVE RELAYS-WOUVT-3-SERIES

# Function: 27/59

ANSI/IEEE C37.90-1978

Voltage sensitive relays are available for both AC and DC applications for overvoltage and undervoltage protection. Combination over/undervoltage relays provide band-pass capabilities. AC relays are either single or three-phase type. Three phase relays are designed to sense the average of the three phases. Voltage trip points are screwdriver adjustable, and operation is time-delayed so that momentary voltage transients will not cause nuisance tripping.

### **Operation:**

The relay will energize at normal voltage condition. The normally closed contact (Form B) will open and the normally open (Form A) will close. The relay will de-energize after time delay when over or undervoltage condition is reached.

# PART NUMBER SELECTION WOUVT -1-120AC Sample Part No. Type: ----WOUVT - Over/Undervoltage No. Phases -1 = Single3 = Three (line to line) Line Voltage VAC -115 400 120 416 200 440 460 208 220 480 230 525 575 240 380 Options: Blank - Standard A = 2 Form A Contacts B = 2 Form B Contacts H = 125 VDC Contacts P = Transient Protection Option "H" provides for contacts rating of 3 amps @

Option "H" provides for contacts rating of 3 amps @ 125VDC. Option "P" provides additional transient protection which

complies with the requirements of ANSI/IEEE C37.90-1978

#### Notes:

- 1. Remove black screw for access to the voltage trip and time delay adjustment potentiometer.
- 2. Clockwise rotation of the voltage adjustment potentiometer will raise the voltage trip point.
- 3. Clockwise rotation of the time adjustment potentiometer will increase the drop-out time delay.

	TE CONNECTIVITY CARPINTERIA, CA 93013	WOUVT-3-416AC=WILMAR OVER/UNDE						
	CARLINERIA, CA SOUTO	TE P.N.		DWG NO.				
		9-1618107-0		WOUVT-3-SERIES				
DS	DATA SHEET	cage code 18741	scale NON		sheet 2 OF 2	REV		