REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL DRAWING	13AUG2019	VM	TN

Ordering Information

Sample Part Number ▶   WUF -12 -5060 -T

Type:
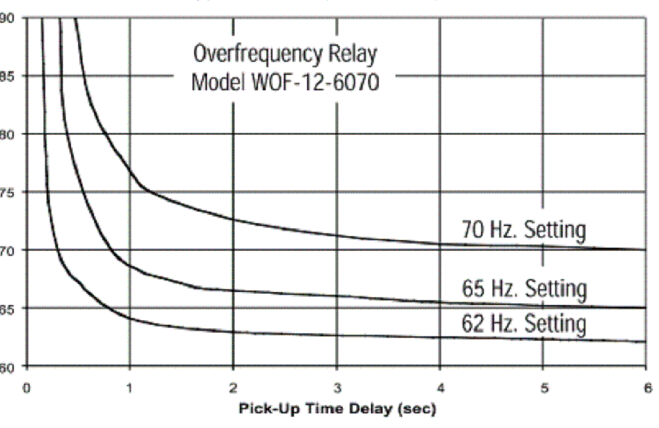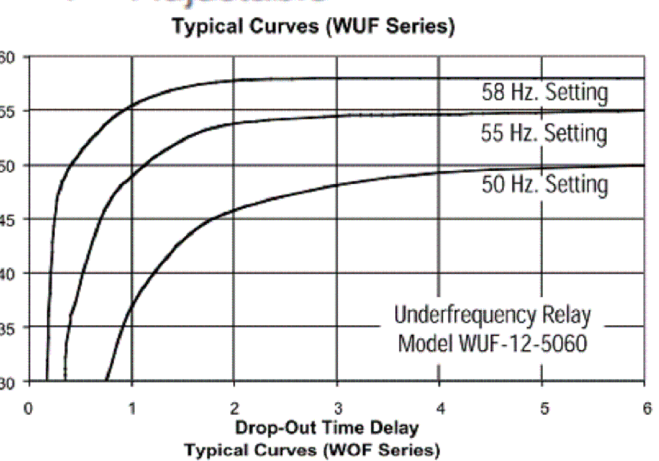WUF = Underfrequency
WOF = Overfrequency

Input Voltage (VAC)
12 = 120
23 = 230
38 = 380
46 = 460

Frequency Range
4050 = 40-50 HZ
5060 = 50-60 HZ
6070 = 60-70 HZ
3540 = 350-400 HZ
4045 = 400-450 HZ (overfrequency only)

Time Delay Options
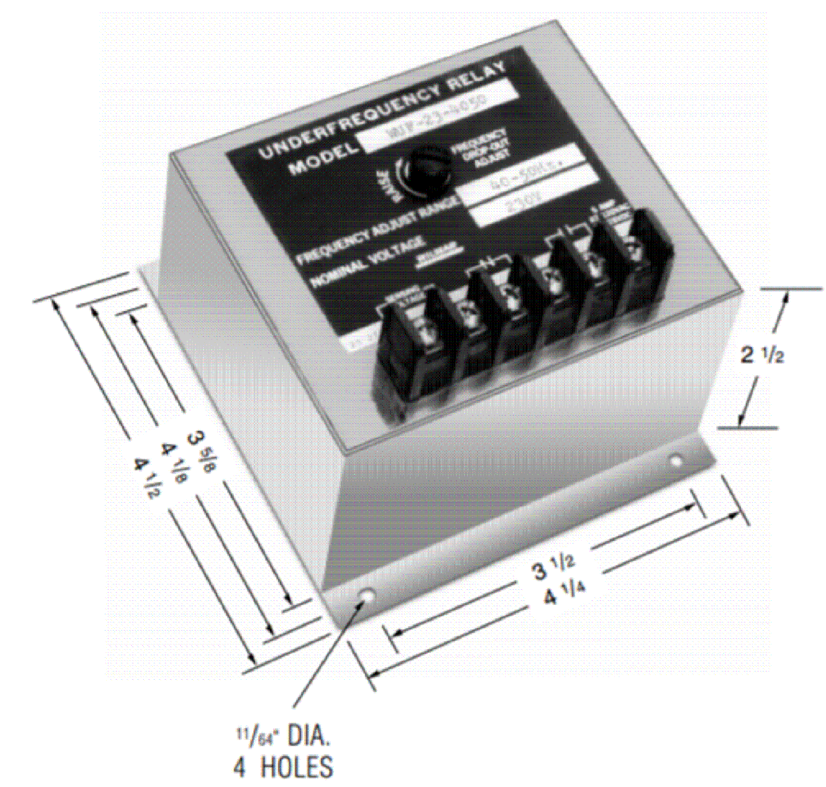blank = Per Time Curve
T = Adjustable

Typical Curves (WUF Series)

58 Hz. Setting
55 Hz. Setting
50 Hz. Setting

Underfrequency Relay
Model WUF-12-5060

Drop-Out Time Delay

Typical Curves (WOF Series)

Overfrequency Relay
Model WOF-12-6070

70 Hz. Setting
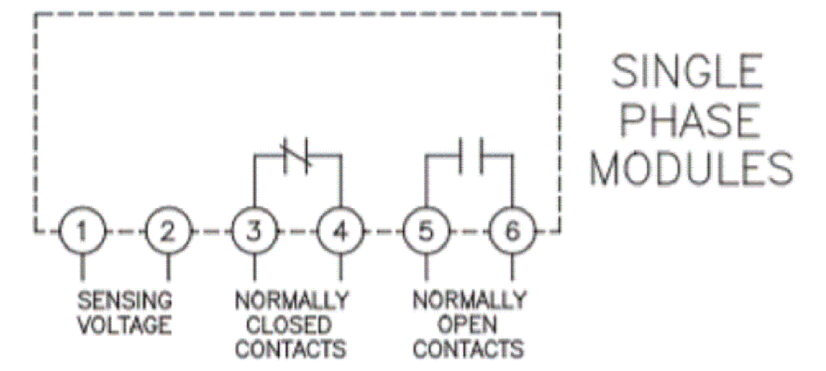65 Hz. Setting
62 Hz. Setting

Pick-Up Time Delay (sec)

Application:

The output contacts of frequency relays are energized when the frequency exceeds the adjustable set point. Overfrequency and underfrequency relays are available in 50, 60 and 400Hz. Combination over/underfrequency "band pass" relays are also available. These are energized at rated frequency and de-energized during overfrequency or underfrequency conditions. Frequency Differential relays are energized above the preset frequency. The pick-up and drop-out frequency settings are independently adjustable.

PRODUCT SPECIFICATIONS

Part Number	WOF/WUF
Nominal Voltage (±20%)	120, 230, 380 and 460 volts
Nonimal Frequencies	50, 60 and 400 Hz.
Trip Point	Screwdriver adjustable. Adjustment range in accordance with ordering information.
Operating Temperature	-20°C to +65°C
Differential	The frequency pitch-up to drop-out differential is .5% max
Voltage Drift	± .05% maximum frequency error for input voltage variation of ±10%
Time Delay	See Time versus Frequency curves
Surge Withstand Capability	In compliance with C37.90B ANSI/IEEE
Output Contacts	One set N.O., one set N.C.
Contact Ratings	5 amp resistive at 120 VAC or 28VDC

Notes:
1. Remove black screws for access to the frequency and the time adjustments.
2. Clockwise rotation of the frequency potentiometer will raise the frequency trip point.
3. Clockwise rotation of the time adjustment, option "T" will increase the time for overfrequency relays and dropout time for underfrequency relays..

Note: Dimensions in inches. Multiply values by 25.4 for dimensions in mm.

2 1/2
3 5/8
4 1/8
4 1/2
3 1/2
4 1/4
11/64" DIA.
4 HOLES

SINGLE PHASE MODULES

1 2 3 4 5 6
SENSING VOLTAGE
NORMALLY CLOSED CONTACTS
NORMALLY OPEN CONTACTS

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	VM	13AUG2019
CHK	RV	13AUG2019
APVD	TN	13AUG2019

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± —
4 PLC ± —
ANGLES ± —

MATERIAL —
FINISH —

PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME: WUF—WOF SERIES — —

SIZE: A3
CAGE CODE: —
DRAWING NO: C—WUF—WOF—SERIES
RESTRICTED TO: —

CUSTOMER DRAWING

SCALE: NTS
SHEET: 1 OF 1
REV: A

1470—19 (1/15)