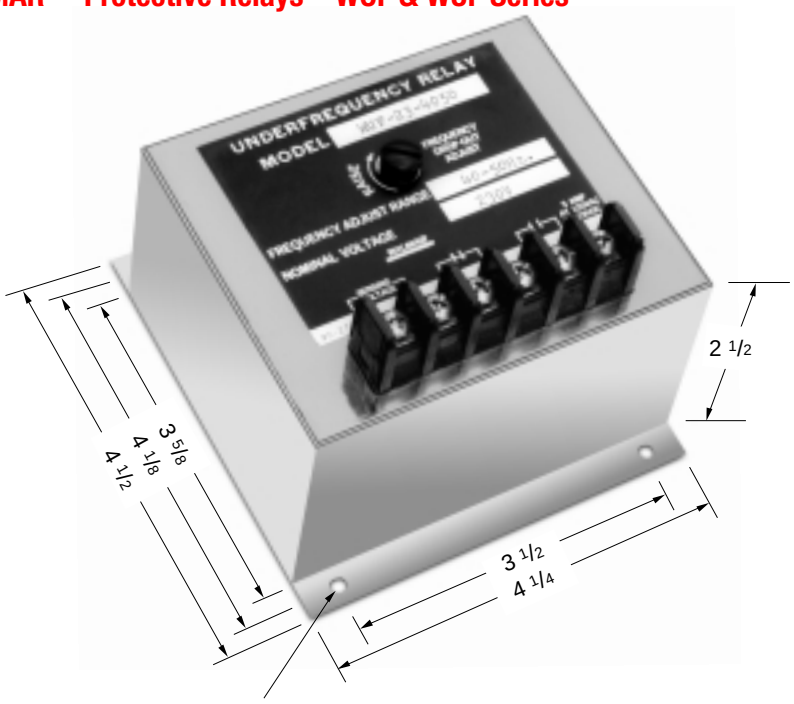
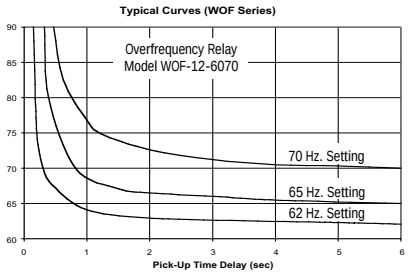
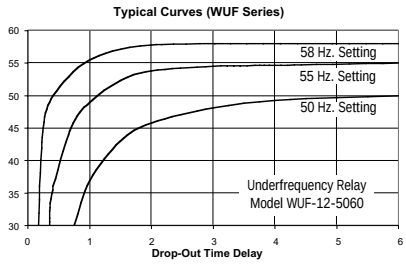
WILMAR™ Protective Relays – WOF & WUF Series



11/64" DIA.
4 HOLES

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





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	-20ºC to +65ºC
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

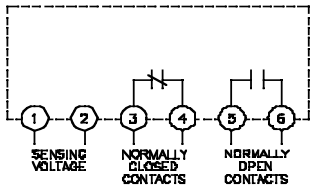
Notes:
1. Remove black screws for access to the frequency and the time adjustments.
2. Clockwise rotation of the frequency potentiometer will raise the frequency trip point.
3. Clockwise rotation of the time adjustment, option "T" will increase the time for overfrequency relays and dropout time for underfrequency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

Function: 81 O/U

- ANSI/IEEE C37.90-1978
- UL file No. E58048
- CSA file No. LR61158

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.



Time Delay

Standard Time Delay

A minimum, fixed inverse time delay is incorporated in all frequency relays to prevent nuisance tripping and is represented by the typical curves shown below.

Adjustable Time Delay

If additional time delay is required, a suffix "T" must be added to the part number. This allows the minimum fixed time delay to be field-adjustable up to 20 seconds

PART NUMBER SELECTION

Sample Part No. 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

Consult factory for additional models.