

- UNDER AND OVER FREQUENCY LEVEL SETTING
- UNDER AND OVER FREQUENCY TIME DELAY SETTING
- OUTPUT RELAY 1 POLE CHANGEOVER CONTACT
- COMPACT SIZE - 1 MODULE - 17.5mm
- DIN RAIL MOUNTING EN50.022
- SELF-EXTINGUISHED MATERIAL UL94 V0



■ TYPICAL APPLICATION: GENSET SYSTEMS

EU Directives - CE Marking:

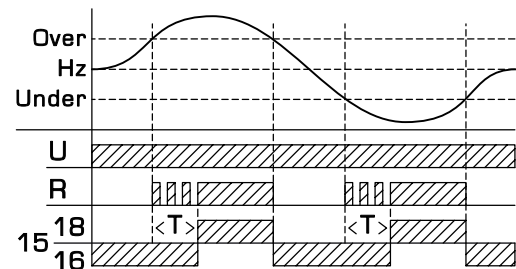
> 2014/30/UE - EMC

> 2014/35/UE - LVD

TECHNICAL DATA

INPUT	UNIT	MFMFBD1
Supply voltage AC $\pm 10\%$	V~	100 - 240
Nominal Frequency	Hz	50 - 60 [range: 47 - 63]
Frequency selectable	Hz	36 - 45 / 46 - 55
Power consumption [max. AC]	VA	12
Supply indication (U)	-	Green LED
OUTPUT RELAY		
Rating	-	8A - 250V~/24V---
Max switching power	VA	2000
Max switching voltage	V~	400
Min switching load	-	10mA 12V---
Contact life	Mech. Electr.	30 x 10 ³ ops 100 x 10 ³ ops
Changeover contacts	-	AgNiO.15
Output Indication (R)	-	Red LED
GENERAL		
Delay Time [T]	s	0 - 10
Setting Accuracy	%	2
Repeat Accuracy	%	0.5 constant conditions
Hysteresis	Hz	± 1
Temperature dependancy	%/°C	< 0.1
Working temperature	°C	-20 / +50
Storage temperature	°C	-30 / +70
Electrical Insulation	kV	4
Overvoltage Category	-	III
Protection degree	IP	20
Pollution degree	-	2
Climatic category according to [without condensation]	-	IEC 60068-1 (20/050/60) DIN 40040 (class D)
Altitude up to	m	2000
Weight	g	55
Dimensions	mm	98 x 17.5 x 64

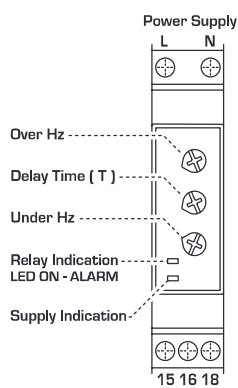
FUNCTIONS



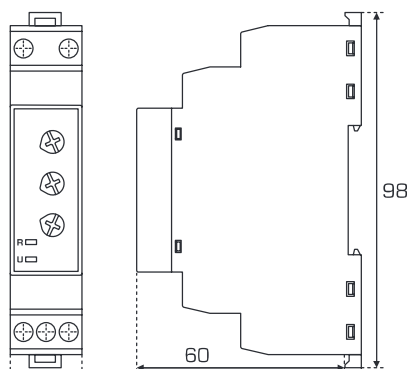
When Frequency is OK the R led and Relay are OFF

When Frequency is wrong the R led and Relay are ON

DESCRIPTION



DIMENSIONS (mm)



WIRING DIAGRAM

