

Frequency monitoring relay

Protections

Hz Frequency variation

1-phase frequency monitoring relay

- Suitable for monitoring the frequency of a single phase or 3-phase system with or without neutral.
- Suitable for generators, alternators and electrical generator sets.
- Maximum and minimum thresholds can be adjusted separately.
- Two independent output relays.

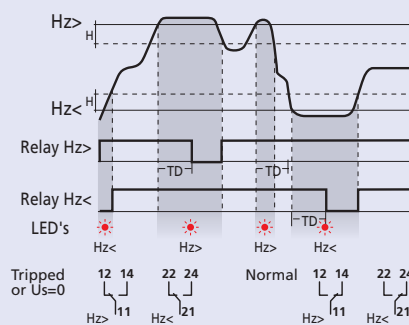


Protections

Models	115 Vac	230 Vac
Frequency	50/60 Hz selectable by a dip switch	
Maximum threshold	V / Hz	Hz> From +0,5 to +3,5 Hz. Steps of 0,5 Hz ($\pm 0,1\%$)
Minimum threshold	V / Hz	Hz< From -0,5 to -3,5 Hz. Steps of 0,5 Hz ($\pm 0,1\%$)
Code no.	12100	12101

Characteristics

Type of supply to be monitored	1-phase, 3-phase and 3-phase with neutral
Auxiliary supply $\pm 10\%$	Self powered single phase
Accuracy	$\pm 0,1\%$
Trip time delay (TD)	Adjustable from 0,2 to 30 s $\pm 5\%$
Reset time delay (RD)	-
Reset mode	Automatic
Hysteresis	$\leq 0,5\%$ of the nominal frequency
Signalling LED's	3 LED's: ON + Hz> + Hz<
Output contacts	2 relays, 1 per limit, with 1 change over NO - NC
Switching power	I_{th} : 5A; AC15 - 250V - 2A; DC13 - 30V - 2A
Terminals: Max. section / Screw torque	2,5 mm ² , No. 22 - 12AWG / 20Ncm, 1,8 LB - IN
Power consumption	3,7 VA (230 Vac)
Protection degree / weight	IP20 / 0,3 kg
Storage / operation temperature	-30°C +70°C / -15°C +60°C



Dimensions

