

PFR-03

Phase Failure / Rotation / Loss Relay

General Use:

One of the most common faults faced in industrial plants / HVAC installations, is overheating and possible damage of three phase motors due to phase failure.



The typical "thermo-magnetic relay", which is a common method of motor protection, is generally too slow to provide adequate protection due to the electromechanical make-up and the usual use of high current settings to assure normal operation without false tripping.

Protection Features:

- **Phase Failure:** When the monitored 3-phase supply voltage is valid, the PFR-03 output relay is ON. Should any of the 3 phases fail, the output relay switches OFF immediately.
- **Phase Sequence:** When the phase sequence is correct (R, S, T in clockwise direction) The PFR-03 output relay is ON, should the phases not be in the above sequence, the output relay will be switched OFF immediately

Technical Data:

Rated Supply Voltage.	415 VAC.
Rated Frequency.	50 / 60 Hz.
Output.	1 pole C/O 10A resistive (1/3 hp).
Operating Temperature.	- 10 °C to + 60 °C.
Protection.	IP 20.
Mounting.	Din Rail (35mm).
Weight.	73 g.