

COMPACT VOLTAGE MONITORING RELAYS FOR THREE-PHASE SYSTEMS WITH OR WITHOUT NEUTRAL



Voltage monitoring relay for three-phase systems with or without neutral



PMV45NA480

Order code	Rated voltage to control U _e (phase-to-phase)	Qty per pkg	Wt
	[V] 50/60Hz	n°	[kg]

Three-phase system, with or without neutral. Minimum and maximum AC voltage. Delayed trip. Phase loss, neutral loss and incorrect phase sequence. Instantaneous trip.

PMV45NA480	208...480VAC	1	0.075
------------	--------------	---	-------

General characteristics

- Self-powered voltage monitoring relay for minimum and maximum voltage, phase loss, neutral loss and incorrect phase sequence.
- Configurable rated voltages:
208–220–380–400–480VAC (phase-to-phase)
120–127–220–230–277VAC (phase-to-neutral)
- Excellent tripping accuracy
- TRMS measurements (True Root Mean Square)
- Phase loss detection when one of the voltages is $\leq 70\%$ of the rated value
- 1 relay output with 1 changeover contact
- Modular DIN 43880 housing (1 module)
- Mounting on 35mm DIN rail or by screws
- IEC degree of protection: IP40 on front (when mounted in an enclosure or control board with IP40 rating), IP20 at terminals.

ADJUSTMENTS:

"V max"	Maximum voltage tripping threshold 105...115% U _e
"V min"	Minimum voltage tripping threshold 80...95% U _e
"Delay"	Tripping time 0.1...30s

Certifications and compliance

Certifications obtained: cULus, EAC.
Compliant with standards: IEC/EN/BS 60255-27, IEC/EN/BS 60255-26, UL508, CSA C22.2 n°14.

Multifunction voltage and frequency monitoring relay for three-phase systems with or without neutral, with NFC technology and APP



PMV45NA480NFC



Order code	Rated voltage to control U _e (phase-to-phase)	Qty per pkg	Wt
	[V] 50/60Hz	n°	[kg]

Three-phase system, with or without neutral. Minimum and maximum AC voltage, minimum and maximum frequency and asymmetry. Delayed trip. Phase loss, neutral loss and incorrect phase sequence. Instantaneous trip. Programmable via smartphone or tablet with NFC technology and App.

PMV45NA480NFC	208...480VAC	1	0.075
---------------	--------------	---	-------

General characteristics

- Multifunction voltage and frequency monitoring relay, self powered, for minimum and maximum voltage, minimum and maximum frequency, phase loss, neutral loss, incorrect phase sequence and asymmetry
- NFC connectivity for parameter programming via the LOVATO **NFC** APP, freely downloadable from Google Play Store and App Store
- Excellent tripping accuracy
- TRMS measurements (True Root Mean Square)
- 1 relay output with 1 changeover contact
- Modular DIN 43880 housing (1 module)
- Mounting on a 35mm DIN rail or by screws
- IEC degree of protection: IP40 on front (when mounted in an enclosure or control board with IP40 rating), IP20 at terminals
- Adjustments: please refer to the technical manual on the website www.LovatoElectric.com.

Certifications and compliance

Certifications obtained: cULus, EAC.
Compliant with standards: IEC/EN/BS 60255-27, IEC/EN/BS 60255-26, UL508, CSA C22.2 n°14.

NFC TECHNOLOGY: A SIMPLE TAP, ENDLESS POSSIBILITIES



More protection functions in a single device, with the possibility to enable or disable specific functions individually.



High accuracy with digital setting of thresholds and trip delays.



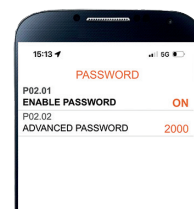
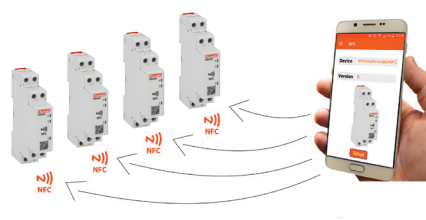
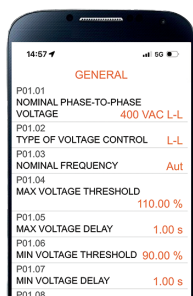
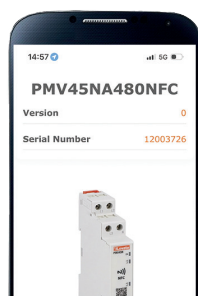
Settings protected via password.



Simple, fast and intuitive programming thanks to the graphical interface of the LOVATO NFC app, which displays functions and parameters on the smartphone screen without the need to consult the manual.



Repeatable settings, with the possibility to save the configuration on your smartphone so it can be quickly copied to other devices of the same model without the risk of error, even when the device is powered off.



The LOVATO **NFC** APP can be downloaded free of charge from Google Play Store and App Store.

