

Carlo Gavazzi DPD02 3-Phase Monitoring Relay with NFC technology

CARLO GAVAZZI

NHP



- Program your 3-phase voltage and frequency monitoring relay with your smartphone, tablet or PC through NFC technology
- Protect loads from incorrect phase sequence, neutral and phase loss, over/under voltage, over/under frequency and voltage asymmetry
- Monitor wide range of voltages
- Supports both 3 wires (3P) and 4 wires (3P+N) configuration
- One part number (DPD02DM44) to cover your application requirements
- 2 x SPDT relay outputs available
- Option to plug and play with 'Australia' default setting option
- Compact 22.5mm wide, DIN-rail mount unit
- Output and status LED indication available on unit for quick troubleshooting
- Adjustable power ON delay, to avoid nuisance tripping at start-up
- High harmonic immunity for noisy industrial environments

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NFC technology

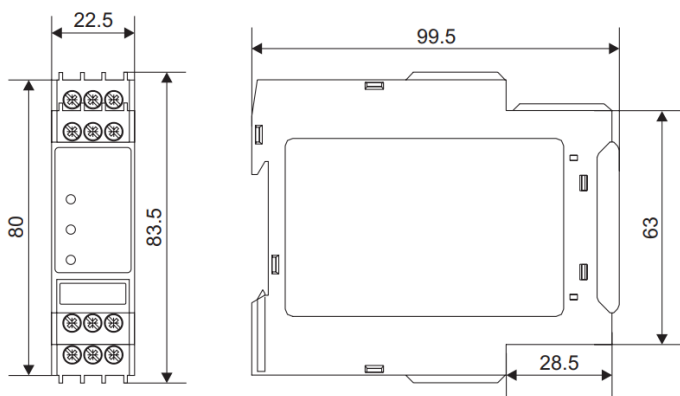
With the incorporation of NFC technology to the DPD02 monitoring relay, you can now program or configure the monitoring relay on your smartphone, tablet or PC via the free to download DPD Manager application from Carlo Gavazzi.

The user benefits from:

- Ability to create new programs or edit existing ones to set on the DPD02 monitoring relays
- Capture and view real time information to check device operation status
- Transfer data quickly and securely between device and monitoring relay via NFC technology
- DPD02 monitoring relay doesn't need to be powered when program is written to or being read via smartphone, tablet or PC
- No front dials on unit for settings setup
- Taking voltage and frequency readings and being able to set alarms status
- Outputs can be set based on pre-defined thresholds
- DPD Manager application versions available on iOS, Android and Windows operating systems
- Security, DPD02 monitoring relay can be locked via password protection
- Serial number device prompt so that user can confirm correct monitoring relay is being set
- Single program can be applied and shared to more than one DPD02 relays
- Smart visualisation of data

Tech features

Dimensional diagram



For more technical information, please see the [datasheet](#).



ACR1252U USB
connection NFC
reader/writer

| Item number | Description |
|-------------|---|
| DPD02DM44 | 3-Phase Monitoring Relay with NFC capability |
| ACR1252U | USB plug-in NFC reader/writer for use with PC |

| | |
|----------------------------|---|
| Functions monitored | Phase sequence Phase loss Neutral loss Out of range Voltage asymmetry Over/under voltage Over/under frequency |
| Voltage range | 208 - 480V AC (Line to Line), $\pm 20\%$ (166V to 576V) |
| Frequency range | 50Hz to 400Hz $\pm 10\%$ sinusoidal waveform |
| Power supply | Supplied by measured phases |
| Power ON delay | 0 - 6 s (adjustable) |
| Number of outputs and type | 2 x SPDT (Single Pole Double Throw) |
| Output logic | Configurable via NFC |
| Material | Polyamide (nylon) or phenylene ether + polystyrene |
| Colour | RAL7035 (light grey) |
| Dimensions (W x H x D) | 22.5mm x 80mm x 99.5mm |
| Protection degree | IP20 |
| Terminals | Cable size from 0.05 - 2.5mm ² (stranded or solid) |
| Terminal type | Double cage screw terminals |
| Operating temperature | -20° C to 60° C |