



## VARIMETER NA



### Voltage and frequency monitor RP 9800 Have the grid under control

#### Application

When supplying energy into the public mains, additional voltage and frequency monitoring is required for generator sets > 30 kVA (Photovoltaic, combined heating and power generators, wind and hydro generator plants). The device can be used in plants with < 30 kVA, that have an isolator switch, as an alternative to an auto switching isolating device.

#### Solution

The voltage and frequency monitor **RP 9800** of DOLD offers an optimised solution for mains monitoring when generating energy. To maintain the quality of the grid it is requested all over Europe by the energy companies.

#### Advantages to you

- ▶ Settings are adapted to the different European standards
- ▶ Simple adjustment with rotational switches
- ▶ All adjusted values are visible on one glance
- ▶ Manipulation is avoided by a sealable transparent cover
- ▶ Several LEDs show the status of the plant
- ▶ Voltage and frequency are indicated by separate output relays
- ▶ Fast reaction time  $t < 100$  ms (typ. 75 ms)
- ▶ Required trend monitoring by calculating a 10 minute mean value
- ▶ Adjustable time delay

**Our experience. Your safety.**

# Voltage and frequency monitor RP 9800

## Technical features

- ▶ Voltage and frequency monitoring for generator sets > 30 kVA connected to the public grid according VDEW
- ▶ For 3-phase systems with neutral
- ▶ Also for special voltages
- ▶ Disconnection on rise and drop of voltage
- ▶ Disconnection on rise and drop of frequency
- ▶ Disconnection when 10 min mean value differs to nominal voltage
- ▶ Frequency and voltage are indicated by separate output relays
- ▶ Allows connection or re-connection after adjustable time delay
- ▶ Protected against manipulation by sealable cover over setting switches
- ▶ Clear and directly visible settings according to directive
- ▶ High accuracy
- ▶ Dimensions in mm 70 x 90 x 71 (W x H x D)



VARIMETER  
RP9800

## Ordering data

Standard types:

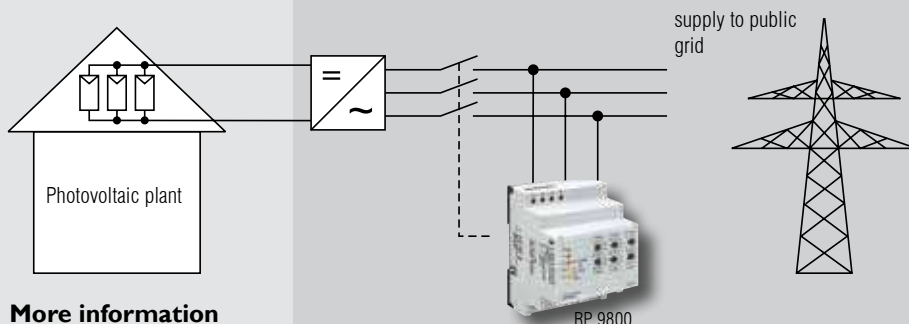
- RP 9800.12 3/N AC 400/230 V  
Article number: 0062263
- RP 9800.12 3/N AC 315/182 V  
Article number: 0063103
- RP 9800.12/500 3/N AC 400/230 V  
Overfrequency adjustable from 50.2 ... 51.5 Hz  
in steps of 0.1 Hz  
Article number: 0064515

## Application

Monitoring of the parameters required by the directive is guaranteed by RP 9800. Avoiding mains interference by the coupling device is only one of numerous applications.

More applications are:

- ▶ Parallel connected single phase inverters: On phase failure the other 2 separate supplied phases are disconnected.
- ▶ Supply by one or more 3-phase inverters: On phase failure in one path or on differences to the required grid quality the RP 9800 initiates disconnection.



## More information

RP9800

Start

[www.dold.com](http://www.dold.com)

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