

# MainsPro<sup>LITE</sup>

## MAINS DECOUPLING RELAY



**Are you generating power in parallel to the mains?**

**You will need 'loss of mains' protection.**

**Essential to avoid supplying your electricity into an islanded grid, leading to possible equipment damage or safety issues.**

The solution is MainsPro<sup>LITE</sup>, the innovative microprocessor based mains decoupling relay from ComAp, which offers unequalled mains protection for a wide range of mains connected applications. These include generator sets and renewable energy sources such as photovoltaic plants, wind turbine and other forms of micro cogeneration.

With MainsPro<sup>LITE</sup>, no special knowledge is needed for installation and no additional units are required, making the ideal solution for both untrained personnel and professionals alike. The unit is designed to fully comply with utilities' connection requirements and statutory codes, offering a high level of protection and safety when working in parallel to the mains.

**Reduces your costs for installation and commissioning workload expenses.**

### Efficient installation:

- ▶ Perfectly suitable for low voltage installations
- ▶ Designed for standard DIN rail installation or door-mount (optional)
- ▶ Friendly interface with easy setting of setpoints
- ▶ Compact design allows installation into restricted spaces
- ▶ Simple wiring with detachable connectors
- ▶ Increased efficiency of commissioning tests
- ▶ Integrated mechanical lock to secure your setting



ComAp is a member of AMPS (The Association of Manufacturers of Power generating Systems).



ComAp products meet the highest standards, with every stage of production undertaken in accordance with the ISO certification obtained in 1998.

**ANSI****Protective functionality****27**

Undervoltage

**59**

Overvoltage

**81H**

Overfrequency

**81L**

Underfrequency

**47**

Voltage asymmetry

Phase sequence supervision

Binary switches: Ext. trip, Fault reset, Activate/de-activate, Alternative parameters, CB Feedback

10 minute floating average overvoltage

**Technical information:**

- ▶ **True RMS** measurement for increased accuracy, reliable evaluation of failures
- ▶ **Two stage settings** of voltage and frequency protections to cover short term as well as long term disturbances with appropriate priority
- ▶ Free assignment of **5 relay outputs** allows wide range of signaling and trip methods
- ▶ Free assignment of **4 binary switches** to remotely change operation of the unit
- ▶ Adjustable time delay of **Automatic fault reset** to avoid necessity of on-site personnel
- ▶ **Universal power supply** 8-40 VDC, 85-265 VAC, 110-370 VDC
- ▶ Selectable voltage range 230/400 VAC with over-range to 290/520 VAC makes the unit **independent on application**
- ▶ Supports **3-phase and 1-phase** applications
- ▶ **5 last trips recorded** in order to provide the evidence of cause of trip



DIN rail



Door mount



MANUFACTURER:

**ComAp a.s.**

Czech Republic

Phone: + 420 246 012 111

Fax: + 420 266 316 647

E-mail: [info@comap.cz](mailto:info@comap.cz)Internet: [www.comap.cz](http://www.comap.cz)

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