

THE NEW MONITORING RELAY-LINE

The Comat group has expanded and harmonized its range of monitoring devices. The result is the compact and versatile MR line. To ensure that all requirements are met in terms of voltage, current and power monitoring.

Monitoring of electrical values can be process-relevant or they may aim in protecting components or equipment from damage. The monitoring devices out of the MR line are suitable for precise detecting and reporting of a reached threshold.

EXAMPLES OUT OF PRACTICE

In a carpenter's workshop, the central extraction system has only to be turned on when a machine is in operation.

The current monitor MRI measures the current in the supply line of the machine and will switch the contactor to actuate the extraction system when a defined current value is reached. If the machine is switched off, the MRI will reliably switch off the extraction system again.

A mobile three-phase pump has to be protected against the consequences of a „wrong“ rotating field. In this case, the MRU32 fulfills his service and will enable the main contactor only if the phase sequence is correct.



Compact and multi-purpose – the MR-Line

MULTI-PURPOSE CAPABLE LIKE YOUR APPLICATION

The MR line includes monitoring devices for single and three-phase loads. The product range includes the current monitor MRI, the voltage monitoring device MRU and an all-rounder called MRM, able to supervise current, voltage, apparent power, active power, frequency and cosPhi as well as ΔPhi (phase sequence) in the three-phase version.

All units are designed for universal-voltage. Thus, there is no need to differ between AC and DC power, neither in power supply nor in the measured values.

MONITORING FUNCTIONS AND ERROR MESSAGES

The MR line distinguishes four pre-settable monitoring functions such as over value, under value and the so-called window function (range monitoring). The alarm of the single-phase MR will be signalized via one changeover contact. The three-phase MR offers the option to monitor independently two different measuring values and is equipped with two relay changeover contacts.

SIMPLE STARTUP

The manipulation is intuitive, what makes it easy to start-up the device and doing a correction of the thresholds. The input is done via three buttons which allow you to navigate - clearly showed on the display – through the menu. The menu is designed in a way that no security-relevant setting can be overseen. Thresholds can be re-adjusted in a few steps in the Quick Menu.