

Gas Alarm Control Unit GMZ-3N ...



The **GMZ-3N ...** Gas Alarm Control Unit was developed as a small, compact device that enables centralized evaluation of up to three **measuring points**. It is constructed modularly in a **19" frame for plug-in units** and equipped with the following easy-to-exchange plug-in units:

- 1 voltage regulator plug-in unit**
- up to 3 measuring point plug-in units**
- 1 analyzer plug-in unit**

The alarm system is in a housing for wall mounting with **2 large terminal compartments**.

In addition, an **emergency power supply system** can be connected to the control unit which will bridge over power failures for approx. two hours using a plug connector with screw-type locking and protected against reverse voltage.

The **measuring point plug-in units** are available in single, double, or triple-stage designs and can be arranged in the control unit any way one likes. The measuring point plug-in units are equipped with a gas level indicator, visual alarm indicators, and potentiometers for adjusting the desired threshold concentrations. The pre-trip alarm stages switch back automatically and the main alarm stage is self-locking.

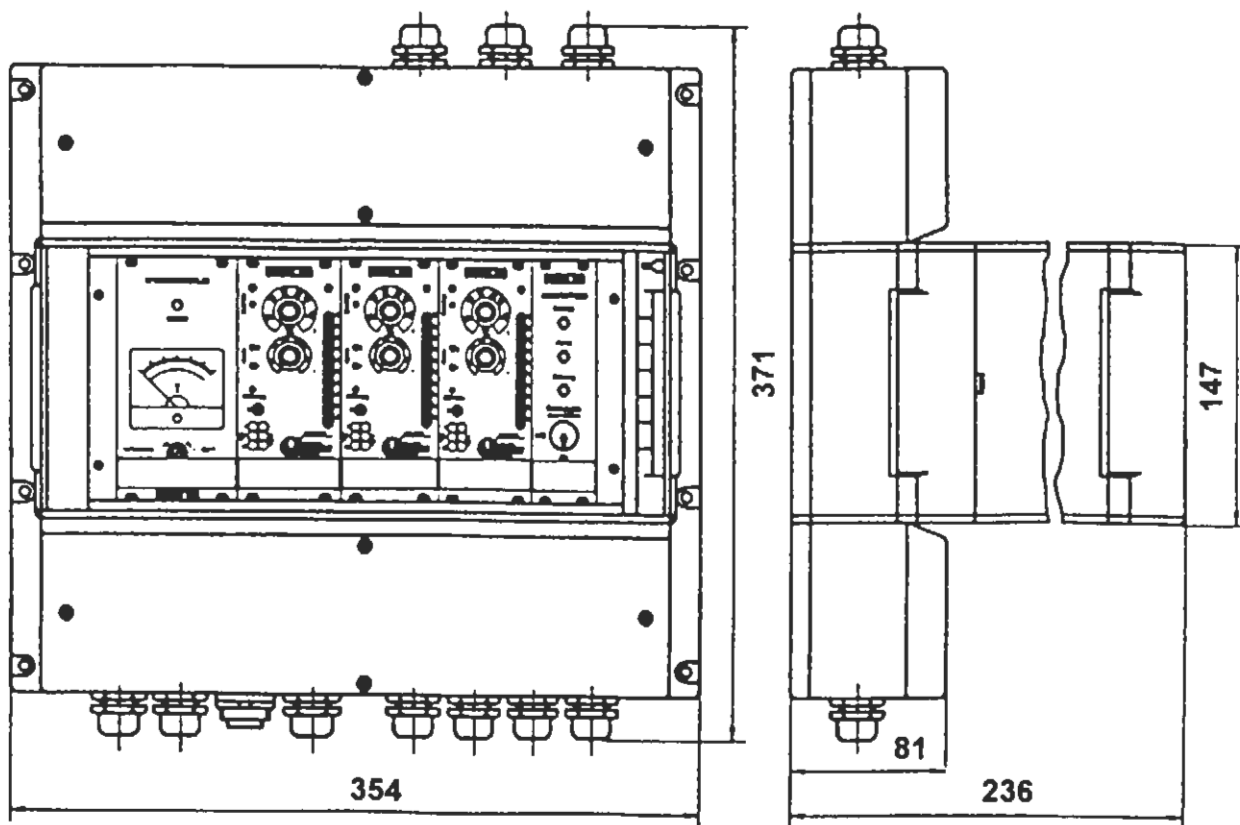
Each measuring point functions independently and can be switched off without influencing the functioning of the other measuring points.

The Gas Alarm Control Unit monitors itself and reports any power failures, malfunctions in the gas sensors, or malfunctions in the connecting lines.

The malfunction and alarm messages from the measuring point plug-in units are forwarded by the **analyzer plug-in unit** as group signals that an authorized person can suppress with a key switch.

All of the Gas Alarm Control Unit's malfunction and alarm messages are available for further external processing as dry contacts.

Dimensions



Electrical specs:

Mains voltage: 220/230 V; 50/60 Hz
Energy requirement: ca. 35 VA

Relays:

Switching voltage: max. 250 V
Switching current: max. 5 A
Switching capacity: max. 100 W/1000 VA

By choice:

mA output 0/4 mA to mA

Protection class:

IP 65

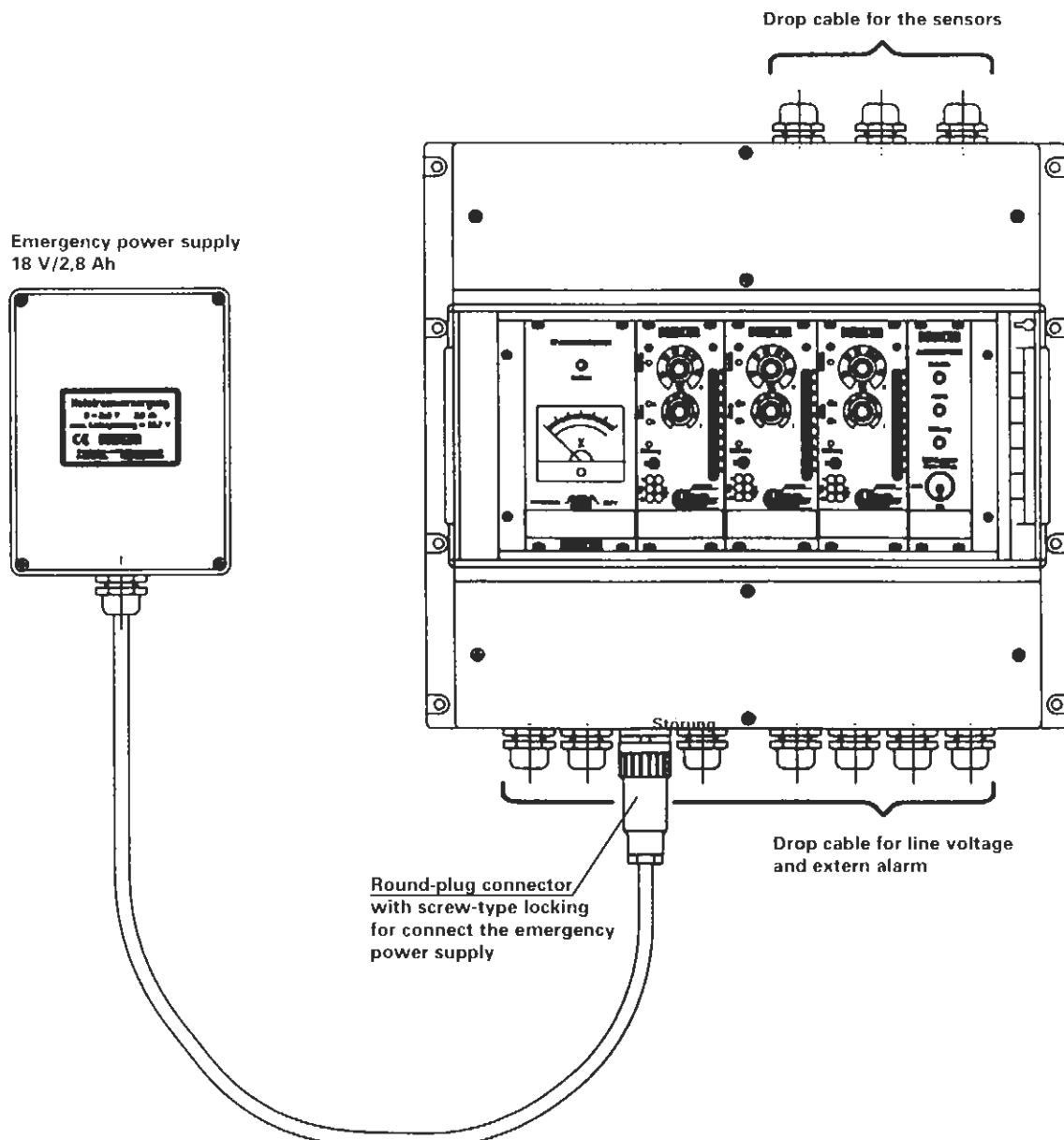
Gas Alarm Control Unit GMZ-3N ... with emergency power supply

Diagram of connections

