

Info sheet „Battery cabinet for connection to a fire alarm system“



Information for BMA specialist companies for the installation of fire alarm systems in buildings in connections with CEMO battery cabinets „Premium“ and „Premium Plus“ in size 8/5 and 8/10

See catalogue 2024/25 on page 218

The CEMO battery charging cabinets „Premium“ and „Premium Plus“ have a potential-free contact on the outside of the cabinet. A corresponding signal is triggered for two reasons: Either the installed current-operated smoke detector (according to EN 54-7) detects smoke („Premium“ & „Premium Plus“) or the temperature inside the cabinet exceeds a limit value of the fusible contact („Premium“) or temperature sensor („Premium Plus“). The use of the potential-free contact is only intended for an internal company alarm to the building services.

Potential-free contact

The connection of the battery cabinet via the potential-free contact is not possible without further ado to a fire alarm system with connection to the fire department. In this case, for example, corresponding regulations impose further requirements that the cabinet does not provide, such as an emergency power supply for fire detection and alarm.

To be considered in case of power failure

In the event of a power failure, the electrical system is not supplied with power and the installed relays open. The alarm

remains in the memory and is sent in case of subsequent resumption of power supply. This can lead to a fault signal and must be taken into account accordingly during installation.

CEMO is not liable for costs and consequential costs resulting from a faulty alarm, such as a fire department intervention or unintentional interruptions of operation.

It is important that a test run and test alarm is carried out before the cabinet is used for regular operation.

Solution: Special cabinet variants for use in connection with fire alarm systems

From CEMO there are cabinet variants that are prepared to be used by specialized companies in connection with fire alarm systems, which means the greatest possible flexibility for the installations of the specialized company.

The advantage is that the specialist company on site can retain the technology and manufacturer's system with which it is familiar and does not have to consult with CEMO.

Battery cabinets, prepared for fire alarm systems	dimension (wx dxh) cm	weight kg	order no.
Battery storage cabinet 8/5 for fire alarm system	83 x 66 x 52	82	11885
Battery storage cabinet 8/10 for fire alarm system (with feet)	83 x 66 x 111	137	11886
Battery charging cabinet 8/5 1-phase for fire alarm system	83 x 66 x 52	85	11887
Battery charging cabinet 8/10 1-phase for fire alarm system (with feet)	83 x 66 x 111	139	11888
Battery charging cabinet 8/10 3-phase for fire alarm system (with feet)	83 x 66 x 111	140	11889

The specialist company can install appropriate fire alarm technology in the cabinet interior via two fireproof cable bushings, which are to be mounted at the desired position by the company itself. In this way, for example, the smoke detectors of a fire alarm system can be wired in the loop. The installed electrical system in the cabinet functions inde-

pendently and is not connected to fixtures/installations of the specialist company. In the event of a fire, the power strip is switched off for charging as soon as the fusible contact under the cabinet ceiling reaches the critical temperature limit (approx. 72°C). In addition, the battery-powered smoke detector emits an acoustic alarm.