

**SURFACE HEATING**

UFS Controller: the new control of heating systems precise, safe and convenient

Heating systems for frost protection in cold stores and freezer rooms offer a reliable precaution against frost damages and humidity wherever the natural thermal flow is not sufficient for preventing a freezing of humidity in the foundation.

For controlling these heating systems, Klöpper-Therm developed a new controller offering maximum safety and convenience apart from the approved precise and reliable control.

The frost protection controller can easily be configured and monitored via web interface. The integrated wake-on-LAN function enables the booting-up of a PC in case of failures (e.g. in a control room) and informs the operating personnel about the type and place of failures.

Highlights:

- ▶ two independent and separately configurable channels in one device
- ▶ 4 different operating modes
- ▶ operating hour meter for each channel
- ▶ visualization of measuring values on the web surface
- ▶ graphic chart of temperature courses
- ▶ wake-on-LAN function
- ▶ combinable with other monitoring and control devices from the Klöpper-Therm product range



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Emergency call alarm system according to DIN EN 378-1 for Cold Stores with "Wake On LAN Function"

The emergency call alarm system of Klöpper-Therm has been designed to improve the safety of your employees in cold stores and to call for help immediately in case of emergency. With the emergency alarm system of Klöpper-Therm, entrapped / injured persons become noticeable and additionally a networked PC starts to report the alarm via the "Wake on LAN function". Alternatively it is possible to display other technical alarms such as a temperature rise in the store, doors unclosed, water alarm or inactive ventilation. Other applications on request.

Technical Details/Features:

- ▶ central device with LAN connection for "Wake On LAN" function
- ▶ operation with independent power supply by battery alarm duration of 10 hours
- ▶ up to 4 trigger points can be connected, as personal alarm and / or technical alarm
- ▶ additional technical alarm, e.g. in case of power failure
- ▶ visual alarm via LED-signal on the central unit
- ▶ siren 12 V ~ 103 dBA
- ▶ LED-signals for alarms with position indicator
- ▶ customized alarm messages to any PC with an IP address
- ▶ flashlight for visual alarm message (optional)

Operation:

The personal emergency call is triggered via an illuminated mushroom type push button, the call is transferred to the central unit, activating a siren and / or an optional flashlight. Via the LAN connection installed with "Wake On LAN function", a networked PC of your choice is started and gives the specific alarm. The power is supplied by the central unit disposing of an integrated battery. Thus, the function of the emergency alarm system is guaranteed even during a power failure.

The personal alarm can be cleared only by unlocking the mushroom type push button and resetting at the device itself.