Nachrichtensysteme

Door Surveillance
on the escape route

control panel type: ZAS-2020
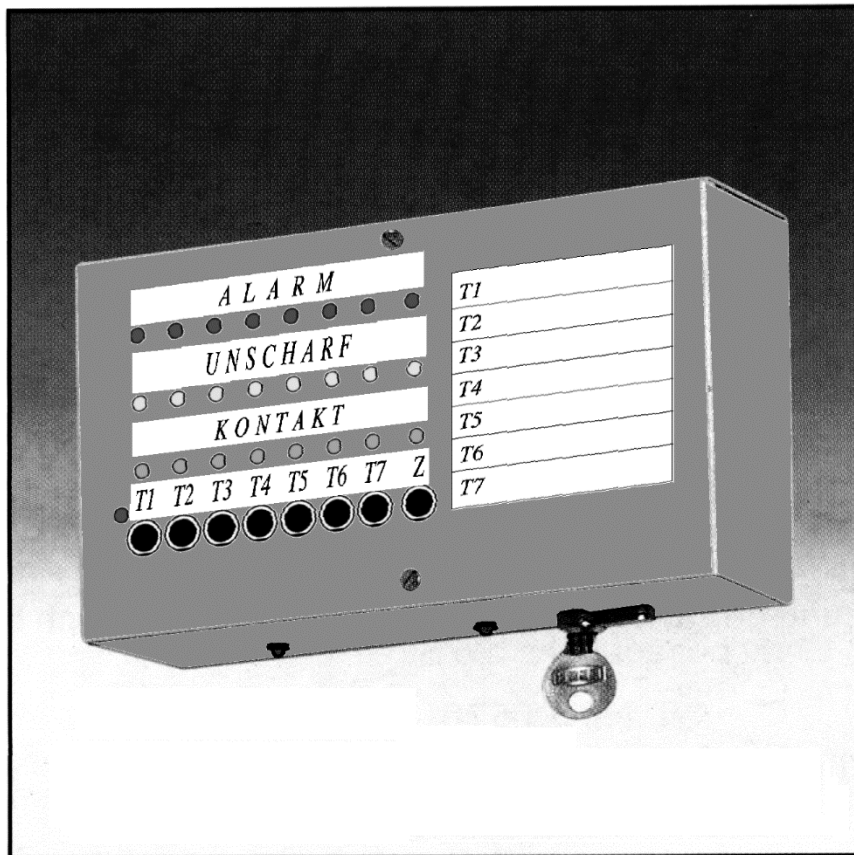
User manual and instructions for operators

Control panel for monitoring the escape route, type: ZAS-2020
(Please read user manual carefully and keep it safe)
Congratulations on buying a new HERMES-emergency exit alarm system.
HERMES -Nachrichtensysteme- is certified by DIN EN9001:2015 and produces there products completely in Germany according to strong quality rules.
Technology of HERMES gives you by generously dimensioned components, construction circuit interpretation and 100% of final control of the devices the plus in security which many of our customers appreciate. Many thanks for your trust!

Conflict of objectives emergency exit
Emergency exits enable persons in case of an emergency to leave a danger area on the quickest way. Because these doors may not be closed, however, sometimes they will be used for e.g., in big stores by unauthorized persons as a hatch for stolen goods or something like that. The outcome of this is a continuous conflict of objectives.

Conflict solution
The emergency exits can be efficiently protected against unauthorized use with our electronic alarm system. For the authorized use the door can be activated with a key. For further details, please refer to the assembly instructions of ZAS-2020.
The ZAS-2020 is a control and switching panel for the remote monitoring and the remote control from up to 7 connected single door surveillances of the type FWS-2020.

Control elements and equipment
The central control and switching panel takes over the remote monitoring of all connected single door surveillances and other control tasks. The handling of the central control and switching panel occurs by a key switch and 8 further remote controlled keys. The key switch makes sure that only authorized persons can operate the connected devices by remote control.
The status from up to 7 connected single door surveillances is indicated with 3 LED's in green, yellow and red.

Special Functions
A special feature called "automatic activation on fire alarm" can be installed by an expert if necessary.

Operation element key switch (profile cylinder lock)

Wear-free profile cylinder lock with the authorisation to operate the connected devices by remote control.
The key can be turned around several times in the same direction without damaging the device. The lock has a magnetic switch contact. Therefore, turning of the key you feel only little resistance.
Unintentional destroying of the mechanical contact switch is excluded by the design of the lock! Pull off the key by turning back in the suitable „0 "-position. With it you avoid unintentional switching functions and false alarms.

Blocking the remote control over the central control panel
The key switch ensures that unauthorized persons could not activate the connected devices.
Procedure: key rotation left, anticlockwise.
Indication: yellow LED „Z"= on

Enable the remote control over the central control panel
The key switch ensures that only authorized persons could activate the connected devices.
Procedure: key rotation right, clockwise
Indication: yellow LED „Z"= off

Identification of the single door surveillance
In all connected single door surveillances of the type FWS-2020 an identification number has to be set. The central control panel assigns the connected devices (according to the identification number) to the number on the display panel.

The Status - LEDs
Three indication lights (LED green, yellow and red) are assigned to every door

Yellow indication – LED
Unlocked door: LED = on, in case of surveillance: LED = off

Green indication – LED
Door contact closed: LED = on, door contact open: LED = off

Red indication - LED
Alarm activated: LED = on, Alarm off: LED = off

With remote control keys you can switch the connected emergency exits alternately to case of "surveillance" or to case "free for authorized use".

**Activating a single door / alarm turned off => control mode „ insecure door"
(unlocked, for authorized use only)**
Procedure: Press on one of the keys T1...T7. A red flashing LED signals the transference of the switch command to the connected devices.
Result/new status: yellow LED = on, beeper tone (once per minute).
The door is now free for authorized use.
NOTE: An authorized user must pay attention to switch the door after use again to surveillance.

A single door switching to surveillance => control mode „surveillance" (locked)
Procedure: press on one of the keys T1...T7. A red flashing LED signals the transference of the switch command to the connected devices.
Result/new status: yellow LED = off
NOTE: You avoid false alarms if you make sure that the door is closed (green LED = on)

All doors switching to surveillance => control mode „surveillance" (locked)
Press on key „Z".A red flashing LED signals the transference of the switch command to the connected devices.
New status: all yellow LED = on, reminiscent tone (once per minute)
NOTE: Every doors must be switched individually again back on surveillance.

Special functions:
Remote controlled activating of the doors with flashlight-signalling
An input of the control unit (input „fire alarm") allows it to activate all emergency exits / single door surveillances together electronically. With this contact (if connected) all emergency exits will be automatically unlocked in case of fire and the flashlight will be activated as a orientation guide. The green and red indication lamps „Z" inform you about the status of fire alarm.

Optical signalling BUS-error
The red indication lamp „Z" lights if there is an interruption or faulty
BUS - connection to the connected devices.

(Changes and errors excepted)

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