Connection of Doors in Escape Routes

Doors in Escape Routes Being Part of an Interlock System

If the interlock system includes doors which also form part of defined escape routes and have to be equipped according to the EltVTR (German standard for electrical locking systems on emergency exits), there has to be installed together with an operating terminal BTZ without emergency-open the emergency exit terminal which has been approved according to the EltVTR (**certificate P-3250/08**, TÜV Thüringen/Germany).

Functioning

Pressing the emergency-open switch of the emergency exit terminal releases the door. At the same time there can be triggered via the terminal strip K3 an extern signaller for optical and/or acoustic signals.

If necessary, the emergency-open switch can also be controlled by a separate hazard alert system. This is also adjusted in the terminal strip K3.

IMPORTANT: In this case there has to be choosen the global emergency-open for the interlock system (see page GNAZ01).

Indications of the emergency exit terminal:
- red: Door is electrically locked.
- green: Door is released (emergency-open had been pressed).
       (This signal can also be transmitted to a separate signaller.)

Locking again
After having released the door in an emergency, the door has to be locked again by a separate control element directly beside the door, e.g. the loose-key switch with stainless steel front plate (AISI 304), part no. 710960.

IMPORTANT:
Together with the emergency exit terminal there may be used approved locking devices only. In case of need, please contact us!

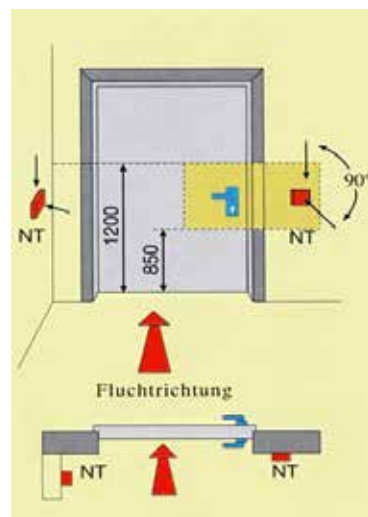**Mounting Instructions**

Height of installation of the emergency exit terminal: between 850 and 1200 mm above the floor.

Marking the emergency key: Sign according to DIN 4844-2 which points to the emergency switch.

The **control element to relock** has to be directly beside the emergency exit terminal.

For the optional connections in terminal strip K3 you have to provide the **cables yourself**.

Connection of Doors in Escape Routes - cont.

Connection of the Emergency Exit Terminal

Locking device

Operating terminal BTZ without emergency-open switch

BTZoN 710905

Central controller RJ

K1
K2
K3

-24V
+24V
int. +24V
Me. Not-Aus
GMA
-24V GMA
- 24V
Reset

e.g. signaller*

Jumper when not used

e.g. key switch

Emergency exit terminal

Power pack

STLZ 2 STLZ 3 STLZ 4 STLZ 5

LAN-Modul (Option)

230 V AC   24 V DC

Connection cable to the locking device - blue marking

Connection cable to operating terminal BTZ - green marking

Connection cable operating elements BZT/BT3 - yellow marking

Connection cable power pack/central controller RJ

Cable to be provided by customer, 2x0.75 mm²

Explanations regarding the possibilities of connection:
- Signaller*: power consumption when fed by the emergency exit terminal max. 1.4 A (when siren is activated)
- Key switch: There has to be used a key switch with impulse make contact (NO).