Product data sheet

# THZ Comfort N4

Staircase control panel in robust metal housing with illuminated SHEV and ventilation buttons for small smoke and heat extraction systems

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# THZ Comfort N4

## AREAS OF APPLICATION

- Smoke extraction in staircases
- For smaller smoke and heat extraction solutions with one fire compartment
- Connection options for smoke detector, FT 4 push button, fire alarm system contact, vent switch and weather sensors
- For smoke and heat extraction system drives with a total power consumption of 4.5 A
- Control of electromotive 24 V drives for smoke and heat extraction in the event of a fire
- Control of a controlled natural ventilation
- Suitable for new buildings and retrofitting

## PRODUCT FEATURES

- Compact and attractive design with a very robust metal housing
- Increased safety due to integrated, illuminated RWA and ventilation button
- Adjustable backlight of the SHEV button
- Safety and reliability confirmed by VdS recognition and TÜV test
- Highest flexibility due to extensive parameter setting options
- Quick and easy commissioning with the ST 220 service terminal
- Reduced installation effort thanks to integrated push buttons
- Interconnection of several staircase control panels possible via potential-free contacts

## TECHNICAL DATA

| | |
|---|---|
| Productname | THZ Comfort N4 |
| Dimensions | 140 x 248 x 85 mm |
| Width | 140 mm |
| Height | 248 mm |
| Depth | 85 mm |
| Material | Aluminium die casting |
| IP rating | IP30 |
| Service temperature | -5 - 40 °C |
| Operating voltage | 230 V AC |
| Power consumption (max.) | 120 W |
| Connection cross-section / mains | 1.5 mm² |
| Output voltage | 24 V DC +/-15% |
| Residual ripple | 2 % |
| Output current (max.) | 4.5 A |
| Duty rating with maximum output current | 30 % |

# THZ Comfort N4

| | |
|---|---|
| Motor cable wire size | 4 mm² |
| Battery capacity | 2.3 Ah |
| Alarm groups | 1 |
| Vent groups | 1 x |
| Networking of several control units | Forwarding of alarm and reset signals for linking up to 10 control units |
| Signal outputs available | 3 status contacts for which parameters can be set |
| Parameter setting of control units | Service push buttons and 5 LEDs or ST 220 |
| Standard conformity | EN 12101-10. ISO 21927-9 |
| Approvals | VdS |

## VARIANTS / ORDER INFO

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| THZ Comfort N4 * | Compact staircase control panel with 4.5 A in one vent group and alarm group, and integrated smoke and heat extraction system and vent switch. Including rechargeable battery | 190789 | according to RAL | 140 x 248 x 85 mm | 230 V AC |
| THZ Comfort N4 * | Compact staircase control panel with 4.5 A in one vent group and alarm group, and integrated smoke and heat extraction system and vent switch. Including rechargeable battery | 190786 | yellow RAL 1021 | 140 x 248 x 85 mm | 230 V AC |
| THZ Comfort N4 | Compact staircase control panel with 4.5 A in one vent group and alarm group, and integrated smoke and heat extraction system and vent switch. Including rechargeable battery | 190783 | orange RAL 2011 | 140 x 248 x 85 mm | 230 V AC |
| THZ Comfort N4 * | Compact staircase control panel with 4.5 A in one vent group and alarm group, and integrated smoke and heat extraction system and vent switch. Including rechargeable battery | 190784 | red RAL 3001 | 140 x 248 x 85 mm | 230 V AC |
| THZ Comfort N4 * | Compact staircase control panel with 4.5 A in one vent group and alarm group, and integrated smoke and heat extraction system and vent switch. Including rechargeable battery | 190787 | grey RAL 7035 | 140 x 248 x 85 mm | 230 V AC |
| THZ Comfort N4 * | Compact staircase control panel with 4.5 A in one vent group and alarm group, and integrated smoke and heat extraction system and vent switch. Including rechargeable battery | 190788 | white RAL 9016 | 140 x 248 x 85 mm | 230 V AC |

## ACCESSORIES

### INFORMATION LABELS *

Signs for labelling notices and information

# THZ Comfort N4

| Designation | Description | Ident-No. | Colour | EAN |
|---|---|---|---|---|
| "Ventilation" information label * | Only available in German | 025647 | green | 4106030256472 |
| "Smoke extraction" information label * | Only available in German | 005158 | red | 4106030051589 |

## GC 162 RWA *

Smoke detector for GEZE control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| GC 162 RWA smoke detector * | Ceiling-mounted detector for GEZE SHEV control panels. Operating lifetime up to 8 years thanks to automatic dust and dirt compensation. Tested according to EN 54, incl. base | 184110 | white RAL 9010 | 110 x 110 x 54 mm | 24 V |

## RM 1003 *

Smoke detector for GEZE control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| RM 1003 smoke detector * | Ceiling-mounted detector for GEZE SHEV control panels. VdS approved and EN 54 tested, incl. base. | 112877 | white RAL 9016 | 42 mm | 24 V DC |

## WM 1005 *

Heat detector for GEZE SHEV control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| WM 1005 heat detector * | Ceiling-mounted detector for GEZE SHEV control panels. VdS approved and EN 54 tested, incl. base. | 112878 | white RAL 9016 | 40 mm | 24 V DC |

# THZ Comfort N4

## CONNECTOR CABLE ST 220 MINI DIN

for connecting the ST 220 to the service case and THZ Comfort

| Designation | Description | Ident-No. | Colour | EAN |
|---|---|---|---|---|
| Connector cable ST 220 mini DIN | for connecting the ST 220 to the service case and THZ Comfort | 142581 | black | 4042938425810 |

## ST 220

Service terminal for the wireless and wired parameter setting of GEZE door and window products

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| Service terminal ST 220 | For parameter setting and diagnosis for TZ 320, TE 220, automatic door systems, drives from the IQ windowdrive series and THZ N4, THZ Comfort N4, battery operation with 4x AAA cells (not supplied by GEZE), plain text display on illuminated panel, keypad for operation / Parameter changes to GEZE systems may only be carried out by experts who have been authorised by the manufacturer | 087261 | blue | 80 x 125 x 37 mm | 24 V DC |

## FT 4 A *

SHEV button for the connection to GEZE control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| FT 4 A SHEV button * | in aluminium housing, incl. label "SMOKE VENT" | 161285 | grey RAL 7035 | 126 x 126 x 32 mm | 24 V DC |
| FT 4 A SHEV button * | in aluminium housing, incl. label "SMOKE VENT" | 161286 | yellow RAL 1021 | 126 x 126 x 32 mm | 24 V DC |
| FT 4 A SHEV button * | in aluminium housing, incl. label "SMOKE VENT" | 161283 | red similar to RAL 3000 | 126 x 126 x 32 mm | 24 V DC |
| FT 4 A SHEV button * | in aluminium housing, incl. label "SMOKE VENT" | 161284 | blue RAL 5015 | 126 x 126 x 32 mm | 24 V DC |

# THZ Comfort N4

## FT 4 A ACOUSTIC *

SHEV button with acoustic signal for connection to GEZE SHEV control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| SHEV button FT 4 A Acoustic, * | In diecast aluminium housing with acoustic signal for alarm/faults, including "SMOKE VENT" sign | 198926 | grey RAL 7035 | 126 x 126 x 32 mm | 24 V DC |
| SHEV button FT 4 A Acoustic, * | In diecast aluminium housing with acoustic signal for alarm/faults, including "SMOKE VENT" sign | 198925 | orange RAL 2011 | 126 x 126 x 32 mm | 24 V DC |

## FT 4 A – VDS *

SHEV button with VdS approval for the connection to GEZE control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| SHEV button FT 4 A – VdS | in aluminium housing, incl. label "SMOKE VENT" | 161282 | orange RAL 2011 | 126 x 126 x 32 mm | 24 V DC |

## FT 4 A SECONDARY UNIT *

SHEV button for the connection to GEZE control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| SHEV button FT 4 A secondary unit, * | in diecast aluminium housing, as secondary unit only with alarm LED, incl. “SMOKE VENT” sign | 198914 | orange RAL 2011 | 126 x 126 x 32 mm | 24 V DC |

# THZ Comfort N4

## LTA-24-AZ

Vent switch with control keys OPEN / CLOSE and LED function display

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| LTA-24-AZ vent switch | with control keys “open-close” and LED function display | 129393 | alpine white | 80 x 80 mm | 24 V DC |

## LTA-LSA *

Vent switch with rotary knob for OPEN / CLOSE

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| LTA-LSA vent switch * | with rotary knob, can be used as "open-close" vent switch or stay-put as vent switch "open-stop-close” | 118476 | alpine white | 80 x 80 mm | 230 V AC |

## WTH

Remote control for activating GEZE automatic doors and window drives via the GEZE wireless programme

| Designation | Description | Ident-No. | Dimensions | Operating voltage | Type of installation |
|---|---|---|---|---|---|
| WTH-2 remote control 2 channel | with wall fixing and IP rating IP54 | 131210 | 78 x 51 x 15 mm | 3 V DC | Wall |
| WTH-4 remote control 4 channel | with wall fixing and IP rating IP54 | 131211 | 78 x 51 x 15 mm | 3 V DC | Wall |
| WTH-1 remote control 1 channel | with wall fixing and IP rating IP54 | 131209 | 78 x 51 x 15 mm | 3 V DC | Wall |

# THZ Comfort N4

## WTM

Transmitting module for activating GEZE automatic doors and window drives via the GEZE wireless programme

| Designation | Description | Ident-No. | Dimensions | Operating voltage | Type of installation |
|---|---|---|---|---|---|
| WTM transmitting module | 44 x 30 x 11 mm (W x H x D), for optional integration in push button | 131212 | 44 x 30 x 11 mm | 3 V DC | Integrated |

## WRM-24

Receiving module for activating automatic doors and window drives with 24 V DC

| Designation | Description | Ident-No. | Colour | Dimensions | Output |
|---|---|---|---|---|---|
| WRM-24 receiving module | 52 x 47 x 23 mm (W x H x D), for installation in a standard flush-mounted socket / 24 V DC operating voltage, pulsed operation or pulsed and continuous operation | 131213 | black | 52 x 47 x 23 mm | 2 potential-free relay contacts |

## WRM-24B

Receiving module for activating automatic doors and window drives with 24 V DC

| Designation | Description | Ident-No. | Colour | Dimensions | Output |
|---|---|---|---|---|---|
| WRM-24B receiving module | 130 x 80 x 35 mm (W x H x D), for surface mounting with protection class IP54 / 24 V DC operating voltage, pulsed operation or pulsed and continuous operation | 131214 | white | 130 x 80 x 35 mm | 2 potential-free relay contacts |

# THZ Comfort N4

## RAIN AND WIND CONTROL *

Weather station and control unit for rain and wind monitoring

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| Rain and wind control * | Consisting of a weather station and control unit. Output: potential-free contacts for rain/wind / For use with THZ, THZ Comfort, E 260 and MBZ 300 | 091529 | white | 96 x 77 x 118 mm | 24 V DC |

## E 70

Room thermostat for ventilation control

| Designation | Description | Ident-No. | Colour | Dimensions | EAN |
|---|---|---|---|---|---|
| E 70 room thermostat | for dry closed rooms with setting of two switching points | 079087 | white | 75 x 75 x 30 mm | 4106030790877 |

## SCT KEY SWITCH

Key switch for authorised activation and for changing the mode of operation of automatic doors

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| SCT key switch * | 2-pin with Euro profile half cylinder, two-sided switching operation, without AS 500 frame | 118478 | alpine white | | 24 V DC |
| SCT key switch | 1 pin without Euro profile half cylinder, single-sided switching operation | 117996 | alpine white | 80 x 80 x 11 mm | 24 V DC |

# THZ Comfort N4

## GC 240 RS *

Rain sensor for use with the MBZ 300 and THZ/THZ Comfort control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| GC 240 RS rain sensor * | Rain sensor for connection to THZ/MBZ 300 SHEV control panels. Incl. bracket for wall or mast mounting | 189313 | white RAL 9010 | 70 x 62 x 37 mm | 24 V DC |

## GC 163 RWA *

Heat detector for GEZE SHEV control panels

| Designation | Description | Ident-No. | Colour | Dimensions | Operating voltage |
|---|---|---|---|---|---|
| GC 163 RWA heat detector * | Ceiling-mounted detector for GEZE SHEV control panels. EN 54 tested, incl. base | 184139 | white RAL 9010 | 110 x 110 x 54 mm | 24 V DC |

## RAIN AND WIND STATION RWS 60-1 SET *

Weather station and control unit for rain and wind monitoring

| Designation | Ident-No. | Material | EAN |
|---|---|---|---|
| Rain and wind station RWS 60-1 set * | 165813 | Plastic with aluminium bracket | 4042938658133 |

* The products designated above may vary in form, type, characteristics, function, or availability depending on the country. Please get in touch with your GEZE contact person if you have any questions.