

# Product data sheet

## THZ N4 \*



Staircase control panel in compact housing for small smoke  
and heat extraction systems

**AREAS OF APPLICATION**

- Smoke extraction in staircases
- For smaller smoke and heat extraction solutions with one fire section
- 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 plastic housing
- Highest flexibility due to extensive parameter setting options
- Safety and reliability confirmed by VdS recognition and TÜV test
- Interconnection of several staircase control panels via potential-free contacts
- Quick and easy commissioning with the ST 220 service terminal
- Quick and easy installation

**TECHNICAL DATA**

|   |                     |
|---|---------------------|
| Productname                             | THZ N4 *            |
| Dimensions                              | 193 x 285 x 89 mm   |
| Width                                   | 193 mm              |
| Height                                  | 285 mm              |
| Depth                                   | 89 mm               |
| Material                                | Plastic             |
| Colour                                  | white RAL 9016      |
| IP rating                               | IP30                |
| Service temperature                     | -5 - 40 °C          |
| Operating voltage                       | 230 V AC            |
| Power consumption (max.)                | 120 W               |
| Connection cross-section / mains        | 1.5 mm <sup>2</sup> |
| Output voltage                          | 24 V DC +/- 15%     |
| Residual ripple                         | 2 %                 |
| Output current (max.)                   | 4.5 A               |
| Duty rating with maximum output current | 30 %                |
| Motor cable wire size                   | 4 mm <sup>2</sup>   |

|                                     |  |
|-------------------------------------|--|
| 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  |

## ACCESSORIES

### 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           |

### FT 4 A - VDS \*

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



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

## FT 4 K \*

SHEV button with plastic housing for the connection to GEZE control panels



| Designation          | Description                                  | Ident-No. | Colour                     | Dimensions        | Operating voltage |
|----------------------|--|-----------|----------------------------|-------------------|-------------------|
| FT 4 K SHEV button * | in plastic housing, incl. label "SMOKE VENT" | 136232    | orange similar to RAL 2011 | 130 x 130 x 32 mm | 24 V              |

## LTA-24-AZ

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



| Designation           | Description   | Ident-No. | Colour       | Operating voltage | Type of installation       |
|-----------------------|---|-----------|--------------|-------------------|----------------------------|
| LTA-24-AZ vent switch | with control keys "open-close" and LED function display | 129393    | alpine white | 24 V DC           | Flush-mounted installation |

## LTA-LSA \*

Vent switch with rotary knob for OPEN / CLOSE



| Designation           | Description  | Ident-No. | Colour       | Type of installation       |
|-----------------------|--|-----------|--------------|----------------------------|
| 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 | Flush-mounted installation |

## E 71 \*

Room thermostat for ventilation control



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

## 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 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           |

## 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           |

**RM 1003 \***

Smoke detector for GEZE control panels



| Designation              | Description   | Ident-No. | Colour         | 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 | 24 V DC           |

**SCT KEY SWITCH**

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



| Designation    | Description  | Ident-No. | Colour       | Dimensions      | Type of installation       |
|----------------|--|-----------|--------------|-----------------|----------------------------|
| SCT key switch | 2-pin with Euro profile half cylinder, two-sided switching operation, without AS 500 frame | 118478    | alpine white |                 |                            |
| SCT key switch | 1 pin without Euro profile half cylinder, single-sided switching operation                 | 117996    | alpine white | 80 x 80 x 11 mm | Flush-mounted installation |

**WM 1006 \***

Heat detector for GEZE SHEV control panels



| Designation             | Description   | Ident-No. | Colour         | 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 | 24 V DC           |

**WRM-24 \***

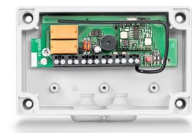
Receiving module for activating automatic doors and window drives with 24 V DC



| Designation                     | Description   | Ident-No. | Colour | Dimensions              | Output                             |
|---------------------------------|---|-----------|--------|-------------------------|------------------------------------|
| WRM-24<br>receiving module<br>* | 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 52 x 47<br>x 23 mm | 2 potential-free<br>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<br>receiving module<br>* | 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 130 x<br>80 x 35 mm | 2 potential-free<br>relay contacts |

**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<br>channel * | with wall fixing and IP rating<br>IP54 | 131210    | 78 x 51 x 15<br>mm | 12 V DC           | Wall                 |
| WTH-4 remote control, 4<br>channel * | with wall fixing and IP rating<br>IP54 | 131211    | 78 x 51 x 15<br>mm | 12 V DC           | Wall                 |
| WTH-1 remote control, 1<br>channel * | with wall fixing and IP rating<br>IP54 | 131209    | 78 x 51 x 15<br>mm | 12 V DC           | Wall                 |

**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           |

**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 |
|-------------------------|---|-----------|--------|------------------|-------------------|
| ST 220 service terminal | 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              |

**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              |



**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           |

**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 aluminium housing with acoustic signal for alarm/fault, incl. label "SMOKE VENT" | 198926    | grey RAL 7035   | 126 x 126 x 32 mm | 24 V DC           |
| SHEV button FT 4 A Acoustic, * | in aluminium housing with acoustic signal for alarm/fault, incl. label "SMOKE VENT" | 198925    | 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 aluminium die-cast 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 N4 \*



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\* 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.