

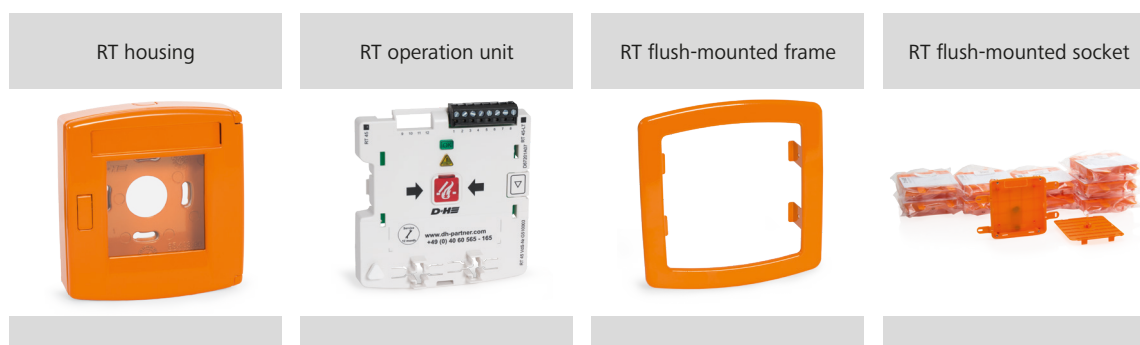
# RT 45



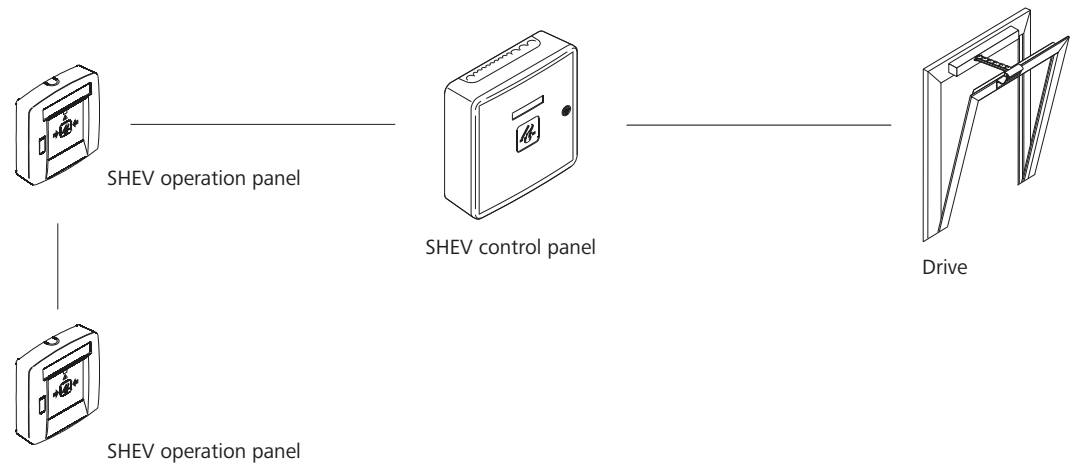
## Performance features

- » For 24 V DC D+H smoke vent control panels
- » Can be used as main or auxiliary control panel
- » For manually triggering a SHEV system in case of fire
- » Function: SHEV OPEN, SHEV Reset
- » Display: Operational standby, alarm triggered and fault
- » Integrated ventilation button, optional
- » Lockable surface-mounted aluminium die-cast housing with break-type glass, keys and designation labels in 32 languages
- » Available in 5 powder-coated colours

## Accessories



# Example of application



## Technical data

|                    | RT 45              |
|--------------------|--------------------|
| Input voltage      | 18 ... 28 V DC     |
| Type of protection | IP 40              |
| Temperature range  | -5 °C ... +40 °C   |
| Housing            | Die-cast aluminium |
| W x H x D          | 129 x 138 x 39 mm  |
| Weight             | 0.31 kg            |

## Approvals / Certificates

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## Design

| Type    | Art. No.  | Colour              | Remark                        |
|---------|-----------|---------------------|-------------------------------|
| RT 45   | 65.403.23 | Orange (~ RAL 2011) | Complete SHEV operation panel |
| RT 45/B | 65.403.26 | Blue (~ RAL 5009)   | Complete SHEV operation panel |
| RT 45/G | 65.403.24 | Grey (~ RAL 7035)   | Complete SHEV operation panel |
| RT 45/R | 65.403.25 | Red (~ RAL 3000)    | Complete SHEV operation panel |
| RT 45/Y | 65.403.27 | Yellow (~ RAL 1004) | Complete SHEV operation panel |

# RT 45-LT



## Performance features

- » For 24 V DC D+H smoke vent control panels
- » Can be used as main or auxiliary control panel
- » For manually triggering a SHEV system in case of fire
- » Modular design for individual versions
- » Available in 5 powder-coated colours

## Approvals / Certificates

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| Type         | Art. No.            | Description                                                                                                                                       | Technical data                                                                                                                                                                                                       |         |                    |        |                     |           |                   |        |         |  |
|--------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------|--------|---------------------|-----------|-------------------|--------|---------|--|
| RT GEH02-ALU | 65.403.33           | <b>RT housing</b><br><br>» Lockable surface-mounted aluminium die-cast housing with break-type glass, keys and designation labels in 32 languages | <table><tr><td>Housing</td><td>Die-cast aluminium</td></tr><tr><td>Colour</td><td>Orange (~ RAL 2011)</td></tr><tr><td>W x H x D</td><td>129 x 138 x 39 mm</td></tr><tr><td>Weight</td><td>0.26 kg</td></tr></table> | Housing | Die-cast aluminium | Colour | Orange (~ RAL 2011) | W x H x D | 129 x 138 x 39 mm | Weight | 0.26 kg |  |
| Housing      | Die-cast aluminium  |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |
| Colour       | Orange (~ RAL 2011) |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |
| W x H x D    | 129 x 138 x 39 mm   |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |
| Weight       | 0.26 kg             |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |



| Type           | Art. No.           | Description                                                                                                                                       | Technical data                                                                                                                                                                                                     |         |                    |        |                   |           |                   |        |         |  |
|----------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------|--------|-------------------|-----------|-------------------|--------|---------|--|
| RT GEH02-ALU/G | 65.403.34          | <b>RT housing</b><br><br>» Lockable surface-mounted aluminium die-cast housing with break-type glass, keys and designation labels in 32 languages | <table><tr><td>Housing</td><td>Die-cast aluminium</td></tr><tr><td>Colour</td><td>Grey (~ RAL 7035)</td></tr><tr><td>W x H x D</td><td>129 x 138 x 39 mm</td></tr><tr><td>Weight</td><td>0.26 kg</td></tr></table> | Housing | Die-cast aluminium | Colour | Grey (~ RAL 7035) | W x H x D | 129 x 138 x 39 mm | Weight | 0.26 kg |  |
| Housing        | Die-cast aluminium |                                                                                                                                                   |                                                                                                                                                                                                                    |         |                    |        |                   |           |                   |        |         |  |
| Colour         | Grey (~ RAL 7035)  |                                                                                                                                                   |                                                                                                                                                                                                                    |         |                    |        |                   |           |                   |        |         |  |
| W x H x D      | 129 x 138 x 39 mm  |                                                                                                                                                   |                                                                                                                                                                                                                    |         |                    |        |                   |           |                   |        |         |  |
| Weight         | 0.26 kg            |                                                                                                                                                   |                                                                                                                                                                                                                    |         |                    |        |                   |           |                   |        |         |  |



| Type           | Art. No.            | Description                                                                                                                                       | Technical data                                                                                                                                                                                                       |         |                    |        |                     |           |                   |        |         |  |
|----------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------|--------|---------------------|-----------|-------------------|--------|---------|--|
| RT GEH02-ALU/Y | 65.403.37           | <b>RT housing</b><br><br>» Lockable surface-mounted aluminium die-cast housing with break-type glass, keys and designation labels in 32 languages | <table><tr><td>Housing</td><td>Die-cast aluminium</td></tr><tr><td>Colour</td><td>Yellow (~ RAL 1004)</td></tr><tr><td>W x H x D</td><td>129 x 138 x 39 mm</td></tr><tr><td>Weight</td><td>0.26 kg</td></tr></table> | Housing | Die-cast aluminium | Colour | Yellow (~ RAL 1004) | W x H x D | 129 x 138 x 39 mm | Weight | 0.26 kg |  |
| Housing        | Die-cast aluminium  |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |
| Colour         | Yellow (~ RAL 1004) |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |
| W x H x D      | 129 x 138 x 39 mm   |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |
| Weight         | 0.26 kg             |                                                                                                                                                   |                                                                                                                                                                                                                      |         |                    |        |                     |           |                   |        |         |  |

| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

RT GEH02-LT-ALU

65.403.38

**RT housing**

- » Lockable surface-mounted aluminium die-cast housing with break-type glass, keys and designation labels in 32 languages
- » With cut-out for ventilation button operation unit

|           |                     |
|-----------|---------------------|
| Housing   | Die-cast aluminium  |
| Colour    | Orange (~ RAL 2011) |
| W x H x D | 129 x 138 x 39 mm   |
| Weight    | 0.26 kg             |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

RT GEH02-LT-ALU/G

65.403.39

**RT housing**

- » Lockable surface-mounted aluminium die-cast housing with break-type glass, keys and designation labels in 32 languages
- » With cut-out for ventilation button operation unit

|           |                    |
|-----------|--------------------|
| Housing   | Die-cast aluminium |
| Colour    | Grey (~ RAL 7035)  |
| W x H x D | 129 x 138 x 39 mm  |
| Weight    | 0.26 kg            |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

RT GEH02-LT-ALU/Y

65.403.42

**RT housing**

- » Lockable surface-mounted aluminium die-cast housing with break-type glass, keys and designation labels in 32 languages
- » With cut-out for ventilation button operation unit

|           |                     |
|-----------|---------------------|
| Housing   | Die-cast aluminium  |
| Colour    | Yellow (~ RAL 1004) |
| W x H x D | 129 x 138 x 39 mm   |
| Weight    | 0.26 kg             |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

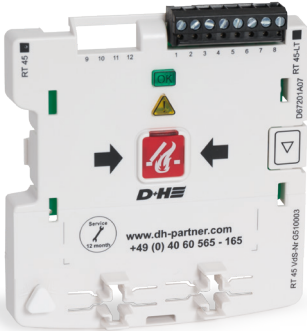
RT BE45-1

66.103.04

RT operation unit

- » Can be used as main or auxiliary control panel
- » Function: SHEV OPEN, SHEV Reset
- » Display: Operational standby, alarm triggered and fault

|                   |                  |
|-------------------|------------------|
| Input voltage     | 18 ... 28 V DC   |
| Temperature range | -5 °C ... +40 °C |
| W x H             | 105 x 115 mm     |
| Weight            | 0.05 kg          |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

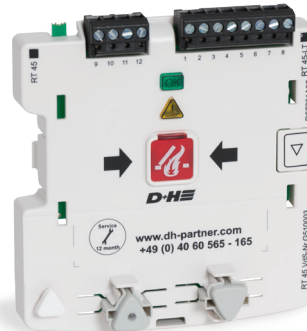
RT BE45-1-LT

66.103.05

RT operation unit with ventilation button

- » Can be used as main or auxiliary control panel
- » Function: SHEV OPEN, SHEV Reset
- » Function: Ventilation OPEN, Ventilation CLOSED
- » Display: Operational standby, alarm triggered, fault and ventilation ON

|                   |                  |
|-------------------|------------------|
| Input voltage     | 18 ... 28 V DC   |
| Temperature range | -5 °C ... +40 °C |
| W x H             | 105 x 115 mm     |
| Weight            | 0.05 kg          |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

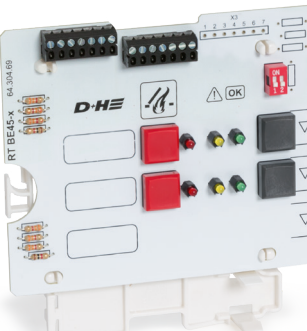
RT BE45-2

30.451.60

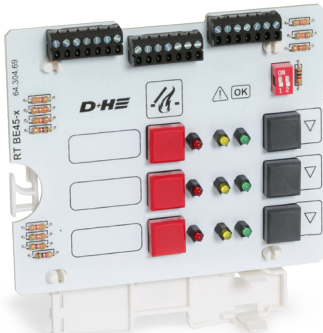
RT operation unit

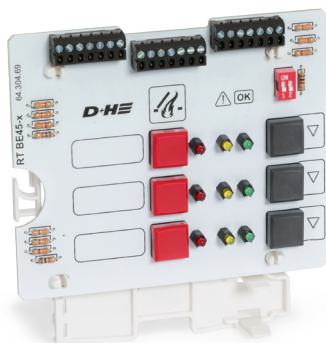
- » For SHEV triggering 2 separate fire/smoke compartments
- » Common earth can be disconnected via DIP switch
- » Functions per SHEV area: OPEN / CLOSED (sealed CLOSED button)
- » Displays per SHEV area: Alarm, inspection and fault indication

|                   |                  |
|-------------------|------------------|
| Input voltage     | 18 ... 28 V DC   |
| Temperature range | -5 °C ... +40 °C |
| W x H             | 105 x 115 mm     |
| Weight            | 0.08 kg          |



| Type              | Art. No.         | Description                                                                                                                                                                                                                                                                                                                                  | Technical data                                                                                                                                                                                                        |               |                |                   |                  |       |              |        |         |  |
|-------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|-------------------|------------------|-------|--------------|--------|---------|--|
| RT BE45-3         | 30.451.70        | <b>RT operation unit</b> <ul style="list-style-type: none"><li>» For SHEV triggering 3 separate fire/smoke compartments</li><li>» Common earth can be disconnected via DIP switch</li><li>» Functions per SHEV area: OPEN / CLOSED (sealed CLOSED button)</li><li>» Displays per SHEV area: Alarm, inspection and fault indication</li></ul> | <table><tr><td>Input voltage</td><td>18 ... 28 V DC</td></tr><tr><td>Temperature range</td><td>-5 °C ... +40 °C</td></tr><tr><td>W x H</td><td>105 x 115 mm</td></tr><tr><td>Weight</td><td>0.08 kg</td></tr></table> | Input voltage | 18 ... 28 V DC | Temperature range | -5 °C ... +40 °C | W x H | 105 x 115 mm | Weight | 0.08 kg |  |
| Input voltage     | 18 ... 28 V DC   |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                       |               |                |                   |                  |       |              |        |         |  |
| Temperature range | -5 °C ... +40 °C |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                       |               |                |                   |                  |       |              |        |         |  |
| W x H             | 105 x 115 mm     |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                       |               |                |                   |                  |       |              |        |         |  |
| Weight            | 0.08 kg          |                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                       |               |                |                   |                  |       |              |        |         |  |

The image shows the RT BE45-3 operation unit, a white rectangular device. It features three sets of terminals at the top for wiring. Below the terminals are three red buttons, each with a black triangle pointing down, and three black buttons, each with a white triangle pointing down. There are also three small green LEDs and three small red LEDs. A red DIP switch is located on the right side. The device is labeled 'RT BE45-3' and 'D-HE'.



| Type              | Art. No.         | Description                                                                                                                                                                                                                                                                                                               | Technical data                                                                                                                                                                                                                                                |               |                |          |       |                   |                  |       |              |        |         |  |
|-------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|----------|-------|-------------------|------------------|-------|--------------|--------|---------|--|
| RT BE42-ST        | 30.435.12        | <b>RT operation unit</b> <ul style="list-style-type: none"><li>» Acoustic signal operational standby ON / OFF</li><li>» Function: SHEV OPEN, SHEV Reset</li><li>» Display: Operational standby, alarm triggered and fault</li><li>» Indicator diode blinks for SHEV alarm if acoustic signal is not operational</li></ul> | <table><tr><td>Input voltage</td><td>18 ... 28 V DC</td></tr><tr><td>Loudness</td><td>75 dB</td></tr><tr><td>Temperature range</td><td>-5 °C ... +40 °C</td></tr><tr><td>W x H</td><td>105 x 115 mm</td></tr><tr><td>Weight</td><td>0.09 kg</td></tr></table> | Input voltage | 18 ... 28 V DC | Loudness | 75 dB | Temperature range | -5 °C ... +40 °C | W x H | 105 x 115 mm | Weight | 0.09 kg |  |
| Input voltage     | 18 ... 28 V DC   |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |               |                |          |       |                   |                  |       |              |        |         |  |
| Loudness          | 75 dB            |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |               |                |          |       |                   |                  |       |              |        |         |  |
| Temperature range | -5 °C ... +40 °C |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |               |                |          |       |                   |                  |       |              |        |         |  |
| W x H             | 105 x 115 mm     |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |               |                |          |       |                   |                  |       |              |        |         |  |
| Weight            | 0.09 kg          |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |               |                |          |       |                   |                  |       |              |        |         |  |



The image shows the RT BE42-ST operation unit, a white rectangular device with a black terminal block at the top. It features a green 'OK' button, a red emergency stop button, and a speaker. The unit is labeled with 'SMA 24', 'DHE', and '64.311.93'.



| Type                                                                                | Art. No.  | Description                                                                                                                                                                                                                                                                                                           | Technical data    |                  |
|-------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|
|  | 30.435.62 | <b>RT operation unit</b> <ul style="list-style-type: none"><li>» Can be used only in conjunction with standard SHEV operation panel and UM 41 transfer module</li><li>» For 2-wire cables</li><li>» Function: SHEV OPEN</li><li>» Display: Operational standby and alarm triggered</li><li>» With indicator</li></ul> | Input voltage     | 18 ... 28 V DC   |
|                                                                                     |           |                                                                                                                                                                                                                                                                                                                       | Temperature range | -5 °C ... +40 °C |
|                                                                                     |           |                                                                                                                                                                                                                                                                                                                       | W x H             | 105 x 115 mm     |
|                                                                                     |           |                                                                                                                                                                                                                                                                                                                       | Weight            | 0.05 kg          |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

RT BE42-Z-K

30.435.64

- RT operation unit
- » Can be used only in conjunction with standard SHEV operation panel and UM 41 transfer module
  - » For 2-wire cables
  - » Function: SHEV OPEN
  - » Display: Operational standby and alarm triggered
  - » Without indicator

|                   |                  |
|-------------------|------------------|
| Input voltage     | 18 ... 28 V DC   |
| Temperature range | -5 °C ... +40 °C |
| W x H             | 105 x 115        |
| Weight            | 0.05 kg          |



| Type | Art. No. | Description | Description |
|------|----------|-------------|-------------|
|------|----------|-------------|-------------|

RT LT45

66.103.06

- RT ventilation button operation unit
- » Function: Ventilation OPEN, Ventilation CLOSED

|        |            |
|--------|------------|
| W x H  | 88 x 25 mm |
| Weight | 0.02 kg    |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

RT UPR 02

68.104.43

- RT flush-mounted frame
- » Cover frames for flush-mounted installation of the RT 45/-LT

|          |                     |
|----------|---------------------|
| Material | Aluminium           |
| Colour   | Orange (~ RAL 2011) |
| W x H    | 170 x 180 mm        |
| Weight   | 0.13 kg             |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

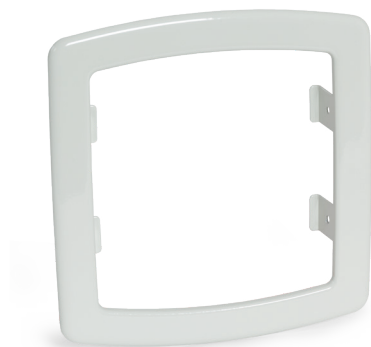
RT UPR 02/G

68.104.44

**RT flush-mounted frame**

» Cover frames for flush-mounted installation of the RT 45/-LT

|          |                   |
|----------|-------------------|
| Material | Aluminium         |
| Colour   | Grey (~ RAL 7035) |
| W x H    | 170 x 180 mm      |
| Weight   | 0.13 kg           |



| Type | Art. No. | Description | Technical data |
|------|----------|-------------|----------------|
|------|----------|-------------|----------------|

RT UPD 02

66.103.77

**RT flush-mounted socket**

» For flush-mounted installation of a RT 45/-LT in hollow, stone and concrete walls

|           |                   |
|-----------|-------------------|
| Material  | Plastic           |
| Colour    | Orange            |
| W x H x D | 220 x 155 x 50 mm |
| Weight    | 0.12 kg           |



