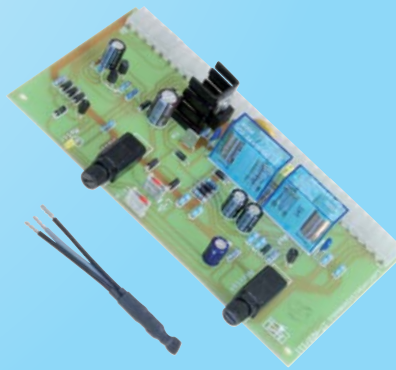


WSA 411 / WSA 421 / WSA 482

# ADD-ON MODULES FOR WSC 4xx SMOKE VENTILATION PANEL



WSA 411



WSA 421



WSA 482

3.30

## Application

Extension modules for the smoke control panels WSC 4xx for individual and project-specific designs as well as the expansion of smoke control panels.

With the additional modules project specific requirements can be met and implemented.

The integration of the modules in smoke panels is easy and flexible. Extra spaces are available in the smoke control panel, however one should be aware of special requirements for WSA 4xx modules.

For a detailed description of the modules see the overleaf.

# ADD-ON MODULES FOR WSC 4xx SMOKE VENTILATION PANEL

## WSA 411

### Smoke ventilation group module

- operation of smoke extraction after triggering by automatic and manual sensors
- for connecting of 24 VDC actuators with a total power consumption of max. 8A.

The module adds an extra smoke group with possible automatic detectors, break glass units, integrated ventilation line and additional motor circuit. The module is pluggable. The malfunction message can also be programmed as smoke control panel system release!

#### Connection possibilities:

- malfunction diagnosis via LEDs
- 15 ventilation keypads with indicator or any number of keypads without indicator
- 10 sensors, type WSA 300 or WSA 310
- 10 primary break glass units WSK 320
- 15 secondary break glass units type WSK 330
- BMS control available via potential free contacts

## WSA 421

### Ventilation line module

- for connecting 24 VDC actuators with a total power consumption of max. 8A

The SHV function includes both an additional ventilation line and thus additional motor circuit, pluggable for control panel type Typ WSC 4xx.

#### Connection possibilities:

- safety actuators with limit switch or electronic load switch off
- max. actuator current 8A
- 15 ventilation keypads with indicator or any number of keypads without indicator
- BMS control available via potential free contacts

## WSA 482

### Relay module

For integration in WSC 4xx for operating external equipment, e.g. triggering of compact control unit!

- Contact:** 2 x UM  
**Contact load:** 230 VAC / 50Hz, max. 5A protective low voltage up to 30 VDC max. 10A

| Items                                      | Item no. |
|--|----------|
| Smoke ventilation group module for WSC 4xx | WSA 411  |
| Ventilation line module for WSC 4xx        | WSA 421  |
| Relay module for WSC 4xx                   | WSA 482  |

**We reserve the right to make technical changes**