

## WSC 204 / WSC 204BZ / WSC 204KP / WSC 204MH Smoke control panel 4.8A



WSC 204KP: opens during smoke, with integrated breakglass unit and keypad



WSC 204: opens during smoke  
WSC 204BZ: closes during smoke



WSC 204MH: opens during smoke, steel housing

1.05

### Application

- 1 smoke / comfort ventilation group
- control of window actuators up to 4.8A
- with microprocessor
- smoke extraction and comfort ventilation in smaller and medium sized buildings
- expandable with additional modules
- incl. 2 pcs. back-up batteries type WSA 003

Smoke control panel for control of 24V DC actuators for smoke extraction and daily comfort ventilation.

The smoke control panel is especially suitable for surveillance of smaller areas, e.g. staircases, smaller sport centres and restaurants.

#### WSC 204 / WSC 204BZ / WSC 204KP

The smoke control panel is supplied in plastic housing and can be either countersunk mounted or surface mounted (frame for surface mounting is supplied).

#### WSC 204

The smoke control panel opens the windows actuators during smoke.

#### WSC 204BZ

The smoke control panel closes the windows actuators during smoke.

#### WSC 204KP

The smoke control panel opens the windows actuators during smoke. The panel is supplied with one break glass unit and one keypad both integrated in the door. As the keypad and break glass unit are internal to the smoke panel installation is easy and quick and saves costs. The keypad is used for daily comfort ventilation.

#### WSC 204MH

The smoke control panel opens the windows actuators during

smoke. The smoke control panel is supplied in steel housing and is suitable for surface mounting.

### Extension

By linking several smoke control panels in a master/slave system, the smoke control unit can also be used in larger buildings (master/slave module type WSA 301 required).

### Special technical features

- approval according to EN 12101-10
- for smoke extraction combined with comfort ventilation
- built-in uninterruptible power supply 2 pcs. WSA 003 (min. 72h battery back-up in case of voltage loss)
- cable surveillance on break glass unit
- cable surveillance on smoke detector input (if used)
- survey on actuator outlet
- breakage of smoke signal lines 1 and 2 are seen separately via diodes on the bottom plate
- fault display via diagnostic LEDs
- incident reporting is programmable as smoke triggering
- smoke triggering when temperature inside the compact unit exceeds 72°C

### Connection options

- actuator with end switch or electronical load switch of tripping by BMS via potential-free contact (ASV module WSA 306 required)
- in connection with comfort ventilation signals from BMS units can be received
- wind/rain sensor without additional plug in module
- 15 ventilation keypads with "indicator" or as many "open" indicators
- 10 smoke detectors type WSA 300 61 or WSA 310
- 4 break glass units (primary), type WSK 320 or type WSK 321
- 15 break glass units (secondary), type WSK 330

# WSC 204 / WSC 204BZ / WSC 204KP / WSC 204MH

## Smoke control panel 4.8A

Technical specifications													
Output current	Max. 4.8A												
Primary voltage	230V AC $\pm 10\%$ , 150W, 50/60Hz $\pm 10\%$												
Actuator secondary voltage	<table border="0"> <tr> <td>Rated voltage</td> <td>24V</td> </tr> <tr> <td>Open circuit voltage at 230V AC</td> <td>typ. 28V DC</td> </tr> <tr> <td>Open circuit voltage at 253V AC</td> <td>max. 31.3V DC</td> </tr> <tr> <td>Motor voltage at 230V AC / 4.8A load</td> <td>typ. 22V DC</td> </tr> <tr> <td>Ripple at max. load (4.8V)</td> <td>max.6% (= 3.8Vpp)</td> </tr> <tr> <td>Open circuit voltage at battery operation</td> <td>min. 18.7V DC</td> </tr> </table>	Rated voltage	24V	Open circuit voltage at 230V AC	typ. 28V DC	Open circuit voltage at 253V AC	max. 31.3V DC	Motor voltage at 230V AC / 4.8A load	typ. 22V DC	Ripple at max. load (4.8V)	max.6% (= 3.8Vpp)	Open circuit voltage at battery operation	min. 18.7V DC
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Ripple at max. load (4.8V)	max.6% (= 3.8Vpp)												
Open circuit voltage at battery operation	min. 18.7V DC												
Inrush current	Max. 6A<5msec												
Standby consumption	4W												
Emergency power supply	>72h												
Operating condition	-5°C - +40°C, max. 90% relative humidity (not condensing)												
Switch-on-duration	ED max. 40% (max. 4 min per 10 min)												
Material	WSC 204 / WSC 204BZ / WSC 204KP: plastic housing for countersunk or surface mounting WSC 204MH: steel housing for surface mounting												
Colour	WSC 204 / WSC 204BZ / WSC 204KP: white (RAL 9016) WSC 204MH: grey (RAL 7035)												
Size	WSC 204 / WSC 204BZ / WSC 204KP: 368 x 353mm (W x H) Surface mounting D=97mm Countersunk mounting D=95mm, hole in wall 325 $\pm 5$ x 311 $\pm 5$ x min. 80mm (W x H x D) WSC 204MH: 300 x 300 x 120mm (WxHxD)												
Weight	WSC 204 / WSC 204BZ / WSC 204KP: 4.7kg excl. batteries / 7.5kg incl. batteries WSC 204MH: 6kg excl. batteries / 10kg incl. batteries												
IP rating	WSC 204 / WSC 204BZ / WSC 204KP (plastic housing): IP30 WSC 204MH (steel housing): IP54												
Approval / certification	WSC 204 / WSC 204BZ / WSC 204KP: approved according to EN 12101-10 WSC 204 0102: approved according to CNBOP-PIB												
Delivery includes	Smoke control panel with 2 pcs. back-up batteries 12V/3.4Ah (2 x WSA 003) WSC 204 / WSC 204BZ / WSC 204KP: supplied with a plastic frame for surface mounting												
Spare parts	See the spare part list on our web site <a href="http://www.windowmaster.com">www.windowmaster.com</a> under "Products"												
Note	We reserve the right to make technical changes												

Items	Item no.
Smoke panel 4.8A, plastic housing	WSC 204 0102
Smoke panel 4.8A, plastic housing, closes during smoke ( <i>primary for CH</i> )	WSC 204BZ 0102
Smoke panel 4.8A, plastic housing, with integrated break glass unit and keypad in the door	WSC 204KP 0102
Smoke panel 4.8A, steel housing	WSC 204MH 0102

Accessories	Item no.
Smoke detector	WSA 300 61
Alarm and fault module (master/slave)	WSA 301
Linking of wind/rain signal	WSA 302
Time ventilation module	WSA 303
Gap ventilation module	WSA 304B
ASV module	WSA 306
End module	WSA 432
Smoke detector end module	WSA 433

See separate product sheets for further information