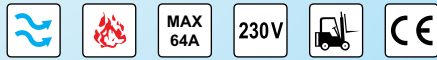


WSC 4XX

MODULAR SMOKE VENTILATION PANEL 16-64A



2.10

Application

- several smoke and comfort ventilation lines
- control of more groups
- smoke extraction and comfort ventilation in medium and larger sized buildings
- control of actuators with a total current consumption of max 64A
- with microprocessor
- meeting of building requirements via modular design
- individual configuration of smoke groups and comfort ventilation lines by adding additional modules
- possibility of exchanging signals with other control panels
- max. power supply of 64A / 24 VDC
- linking of several modular panels in master/slave connection is possible

Modular smoke panel for smoke extraction combined with comfort ventilation of 24 VDC actuators. The modular panel can be used in medium sized and larger buildings, e.g. shopping centres and sport/leisure facilities.

By linking several panel in a master/slave system, the modules can be used in very large buildings. Master panel must be ordered separately.

The modular panel must be equipped with back-up power supply for up to 72h. Batteries are to be ordered separately.

Special technical features

- division into several actuator zones each with max. current load of 8A
- every actuator zone can be programmed separately as a ventilation line

- all actuator zones can be controlled by one joint smoke/comfort ventilation group
- control of smoke extraction combined with comfort ventilation in a smoke/comfort ventilation line
- cable monitoring for warning devices and actuator lines
- fault display on diagnostic LEDs
- incident reporting is programmable as smoke triggering
- 2 potential free contacts for system fault (max. 5A low voltage protection)
- 2 potential free contacts for fire triggering (max. 5A low voltage protection)
- joint input "modular CLOSE" for all comfort ventilation groups
- wind/rain sensors can be connected directly
- potential free contact for wind/rain signal
- output to alarm siren (automatic shutoff after 4 min.)
- can be extended with special interface modules

Connection options

- actuators with end switch or electronical load switch of
- triggering of ASV module via potential free contact (ASV module WSA 306 required)
- external input available via potential free contacts
- wind/rain sensors without additional plug-in module
- 15 ventilation keypads with "indicator" or as many "open" indicators
- 10 automatic detectors type WSA 300 61 or WSA 310
- 10 break glass units (primary) type WSK 320 or type WSK 321
- 15 break glass units (secondary) type WSK 330
- tripping by BMS via potential free contact

Primary voltage	230 VAC ±10%	
Secondary voltage	max. open circuit voltage at 230 VAC motor voltage at rated load max. ripple	34.4 VDC 27.6 VDC 7.5 Vpp (however WSC 416 – 9.4Vpp)
Output current	dependant on panel amp size	
Operating condition	-5°C - +40°C	
Emergency power supply	> 72h	
Material	steel housing for fixing to the wall	
Colour	grey (RAL 7035)	
IP rating	IP54	
Delivery includes	modular smoke ventilation panel	
To be ordered separately	back-up batteries	
Note	we reserve the right to make technical changes	

Item composing					
WSC 4	XX	XX	XX	X	0X0X
					Version and country code
					C = Master central in a master/slave system Free = Standard unit
					Total number of ventilation groups
					Total number of smoke groups
					Max. current: 16A, 24A, 32A, 48A, 64A

Accessories	Item no.
ASV module	WSA 306
Smoke ventilation group module	WSA 411
Ventilation line module	WSA 421
Smoke detector end module	WSA 433
Security lock cylinder incl. key	WSA 438
Spare key	WSA 439
Relay module	WSA 482
Back-up batteries	WSA 002, WSA 007 WSA 012, WSA 024 WSA 042, WSA 065

For further information, see the respective product sheets in this chapter and the chapter "Accessories"

Variants					
Output current [A]	Smoke groups	Comfort ventilation groups	Dimension (W x H x D) [mm]	Item number	Back-up batteries
16	1	2	500 x 500 x 210	WSC 416 0102	2 x WSA 012
		3	500 x 500 x 210	WSC 416 0103	
		4	800 x 800 x 300	WSC 416 0104	
		5	800 x 800 x 300	WSC 416 0105	
		6	800 x 800 x 300	WSC 416 0106	
	2	2	500 x 500 x 210	WSC 416 0202	
		3	500 x 500 x 210	WSC 416 0203	
		4	800 x 800 x 300	WSC 416 0204	
		5	800 x 800 x 300	WSC 416 0205	
		6	800 x 800 x 300	WSC 416 0206	

Output current [A]	Smoke groups	Comfort ventilation groups	Dimension (W x H x D) [mm]	Item number	Back-up batteries
24	1	3	500 x 500 x 210	WSC 424 0103	2 x WSA 024
		4	800 x 800 x 300	WSC 424 0104	
		5	800 x 800 x 300	WSC 424 0105	
		6	800 x 800 x 300	WSC 424 0106	
	2	3	500 x 500 x 210	WSC 424 0203	
		4	800 x 800 x 300	WSC 424 0204	
		5	800 x 800 x 300	WSC 424 0205	
		6	800 x 800 x 300	WSC 424 0206	
	3	3	500 x 500 x 210	WSC 424 0303	
		4	800 x 800 x 300	WSC 424 0304	
		5	800 x 800 x 300	WSC 424 0305	
		6	800 x 800 x 300	WSC 424 0306	

Output current [A]	Smoke groups	Comfort ventilation groups	Dimension (W x H x D) [mm]	Item number	Back-up batteries
32	1	4	800 x 800 x 300	WSC 432 0104	2 x WSA 024
		5	800 x 800 x 300	WSC 432 0105	
		6	800 x 800 x 300	WSC 432 0106	
		7	800 x 800 x 300	WSC 432 0107	
		8	800 x 800 x 300	WSC 432 0108	
		9	1000 x 1000 x 300	WSC 432 0109	
	2	4	800 x 800 x 300	WSC 432 0204	
		5	800 x 800 x 300	WSC 432 0205	
		6	800 x 800 x 300	WSC 432 0206	

Variants continue on the next page

WSC 4XX

MODULAR SMOKE VENTILATION PANEL 16-64A

Output current [A]	Smoke groups	Comfort ventilation groups	Dimension (W x H x D) [mm]	Item number	Back-up batteries
32	2	7	800 x 800 x 300	WSC 432 0207	2 x WSA 024
		8	800 x 800 x 300	WSC 432 0208	
		9	1000 x 1000 x 300	WSC 432 0209	
	3	4	800 x 800 x 300	WSC 432 0304	
		5	800 x 800 x 300	WSC 432 0305	
		6	800 x 800 x 300	WSC 432 0306	
		7	800 x 800 x 300	WSC 432 0307	
		8	800 x 800 x 300	WSC 432 0308	
		9	1000 x 1000 x 300	WSC 432 0309	

Output current [A]	Smoke groups	Comfort ventilation groups	Dimension (W x H x D) [mm]	Item number	Back-up batteries
48	1	6	800 x 800 x 300	WSC 448 0106	2 x WSA 042
		7	800 x 800 x 300	WSC 448 0107	
		8	800 x 800 x 300	WSC 448 0108	
		9	1000 x 1000 x 300	WSC 448 0109	
	2	6	800 x 800 x 300	WSC 448 0206	
		7	800 x 800 x 300	WSC 448 0207	
		8	800 x 800 x 300	WSC 448 0208	
		9	1000 x 1000 x 300	WSC 448 0209	
	3	6	800 x 800 x 300	WSC 448 0306	
		7	800 x 800 x 300	WSC 448 0307	
		8	800 x 800 x 300	WSC 448 0308	
		9	1000 x 1000 x 300	WSC 448 0309	

Output current [A]	Smoke groups	Comfort ventilation groups	Dimension (W x H x D) [mm]	Item number	Back-up batteries
64	1	8	1000 x 1000 x 300	WSC 464 0108	2 x WSA 065
	2	8	1000 x 1000 x 300	WSC 464 0208	
	3	8	1000 x 1000 x 300	WSC 464 0308	
	4	8	1000 x 1000 x 300	WSC 464 0408	

Further variants are available on request