RWA Control units

RWZ control units for smoke and heat evacuation systems.

PRODUCT DESCRIPTION

The control units for smoke and heat evacuation have the following specifications and meet the following requirements (some technical characteristics may vary according to the RWZ control unit model):

• Output for the connection of 24V actuators.
• VdS approved according to the VdS 2581 and VdS 2593 directives.
• Internal power supply certified according to DIN EN 12101-10.
• Control unit tested according to prEN 12101-9.
• 3 signal lines:
  • Automatic fire detector
  • RT2 manual emergency push button with indicators for operation, alarm, malfunction and reset button
  • Connection to a fire alarm control panel or additional automation fire detectors
• Alarm Reset using the RT2 button or in the control centre.
• Selectable functions:
  • "Auto-close" (automatic closure after resetting an alarm)
  • "Malfunction = Alarm" (alarm upon malfunction of a signal line)
  • "Automatic OFF" (the automatic commands - apart from the alarm - are disabled)
  • "Thermal alarm" (alarm on exceeding temperature of 70 °C inside the enclosure)
• Possibility of connecting ventilation buttons
• Adjustable ventilation and time positions
• Possibility of connecting an external wind and rain control
• Normal operation, alarm and malfunction displayed on the emergency push button
• Internal service display showing detailed status information for installation and maintenance.
• Plug-in connection terminals (apart from actuator output).
• Upon direct reverse of travel, actuators are briefly stopped before changing the sense.
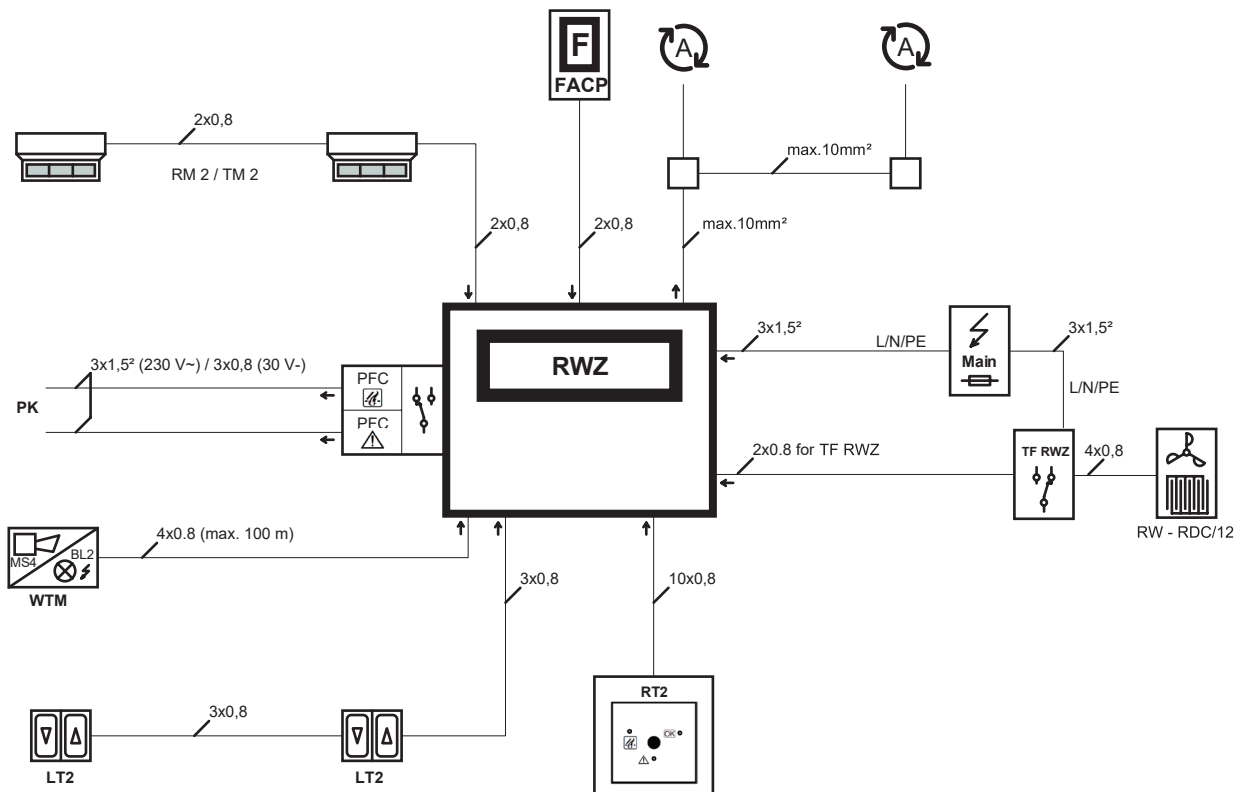• Sheet steel enclosure, light grey (RAL 7035).

TECHNICAL SPECIFICATIONS	RWZ 1-4b	RWZ 4-8d	RWZ 5-16e	RWZ 5-24e	RWZ 5-32e
Power supply voltage			230V~50Hz.		
Output voltage			24 V d.c.		
Max power consumption	0,7 A	1,1 A	2,2 A	3,3 A	4,4 A
Max absorbed current	4 A	8 A	16 A	24 A	32 A
Battery	2 x 2Ah/12V	2 x 7Ah/12V	2 x 12Ah/12V	2 x 17Ah/12V	2 x 17Ah/12V
Service type			S1 - continuous		
Pre-set for			wind sensor, rain detector, push button		
Operating temperature			- 5°C + 40°C		
Dimensions (mm)	330x330x110	400x400x135	500x500x210	600x600x210	600x600x210
Connectable number of actuators:					
C160 RWA stroke 360mm	9	19	38	57	76
C160 RWA stroke 600mm	6	13	26	39	52
C160 RWA double chain stroke 360mm	4	9	18	27	36
C160 RWA double chain stroke 600mm	1	3	6	9	12
ACK4 RWA	2	4	10	12	20
ACK4S RWA	3	6	12	18	24
S80 RWA	4	8	16	24	32

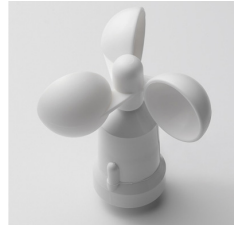| 8C0040	RWZ 1-4b Control and power unit for the connection of 24V actuators max 4A - 2,0Ah Batteries included EN 12101-10 / prEN 12101-9 certified
8C0041	RWZ 4-8d Control and power unit for the connection of 24V actuators max 8A - 7,0Ah Batteries included EN 12101-10 / prEN 12101-9 certified
8C0042	RWZ 5-16e Control and power unit for the connection of 24V actuators max 16A - 12,0Ah Batteries included EN 12101-10 / prEN 12101-9 certified
8C0043	RWZ 5-24e Control and power unit for the connection of 24V actuators max 24A - 17,0Ah Batteries included EN 12101-10 / prEN 12101-9 certified
8C0046	RWZ 5-32e Control and power unit for the connection of 24V actuators max 32A - 17,0Ah Batteries included EN 12101-10 / prEN 12101-9 certified
8C0044	TF RWZ connection unit for wind and rain detectors
8C0255	PK dry contact for alarm / malfunction forwarding (for RWZ control units)
8C0045	WTM Output for controlling external warning devices in case of alarm or malfunction (i.e. MS4 multi-tone sound alarm and BL4 strobe) (for RWZ control units except 1-4b)
8C0256	PK-SA dry contact for open status forwarding (for RWZ control units except 1-4b and 4-8d)

RW RDC RM2 TM2 RT2 MS4 BL4

Detectors and emergency devices

RW Wind sensor

The wind sensor, connected to TOPP control units, closes the windows when the wind speed exceeds a preset value. Contained in weatherproof plastic housing, with rotating blade system sensing wind speed.

RDC/12 Rain sensor

The RDC/12 rain sensor, like the wind sensor, must be placed outside, exposed to rainfalls. It can be connected to the TOPP control units TF23R, TF33R, TF24R, TF44R, RR and TF RWZ to operate the windows automatic closure when the sensor is wet. Insensitive to dew and humidity.

RM2 Smoke detectors

The RM2 optical smoke detectors, for the connection to the RWZ control panels, are devices for indoor smoke detection complying with the UNI 54 standard.

TM2 Thermovelocimetric detectors

The TM2 thermovelocimetric detectors, for the connection to the RWZ control panels, are made of a static element set at 75° and provides an immediate response to rapid increases in temperature.
Certified according to UNI EN 54 standard.

RT2 Emergency push button

The RT2 emergency push button, for the connection to the RWZ control panels, is an emergency push button that displays normal operation, alarm and malfunction.

MS4_BL4 Sound alarm and strobe

MS4 is a multiple-tone sounder (for RWZ control panels) and BL4 is a strobe light (for RWZ control panels)

Detectors and emergency devices

8E0030	RW Wind sensor
8E0054	RDC/12 12V Rain sensor, incl. roof fixing adhesive tape (for TF23R/TF33R/TF24R/TF44R/RR/TFRWZ)
0B0020	Special adjustable bracket RDC/12
8C0240	RT2 Emergency push button with indication of working, alarm and malfunction (for RWZ control panels)
8C0242	RT2-K Emergency push button with indication of working, alarm, open status and malfunction (for RWZ control panels)
8C0249	LT2-A Ventilation push button with indication open status (for RWZ control panels)
8C0257	KE-2a Contact for command extension (for RWZ control panels)
8C0248	RM2 Optical smoke detector (for RWZ control panels)
8C0247	TM2 75° Thermovelocimetric detector (for RWZ control panels)
8E0500	MS4 Multiple-tone sounder (for RWZ control panels)
8E0510	BL2 Strobe light (for RWZ control panels)