

# 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 ISO 21927-9.
- 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).

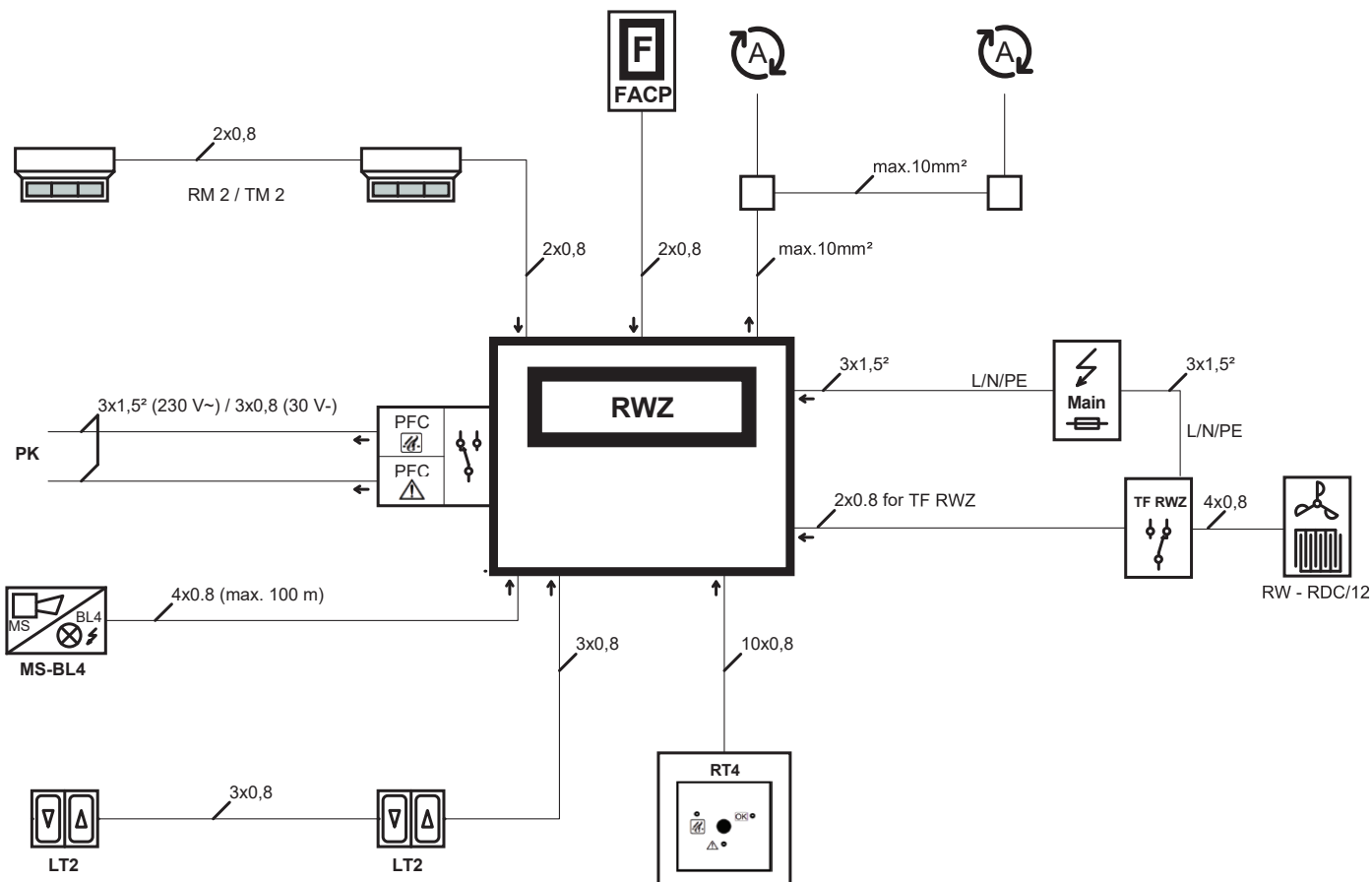


TECHNICAL SPECIFICATIONS	RWZ 1-4b	RWZ 4-8d	RWZ 5-20f	RWZ 5-40f
Power supply voltage			230V~50Hz.	
Output voltage			24 v	
Max absorbed current	0,7 A	1,1 A	2,5 A	5,0 A
Max output current	4 A	8 A	20 A	40 A
Battery	2 x 2Ah/12V	2 x 7Ah/12V	2 x 12Ah/12 V	2 x 17Ah/12V
Service type			S1 - continuous	
Pre-set for			wind sensor, rain detector, push button	
Operating temperature			- 5°C + 40°C	
Dimensions (mm)	337x337x113	400x400x135	430x525x185	430x525x185
Connectable number of actuators:				
C50 RWA	3	6	16	32
C160 RWA stroke 360mm	8	16	40	80
C160 RWA stroke 600mm	6	12	30	60
C160 RWA double chain stroke 360mm	5	10	25	50
C160 RWA double chain stroke 600mm	1	3	9	18
ACK4 RWA	2	5	12	24
ACK4S RWA (Bottom hung)	3	6	16	32
ACK4S RWA (Top hung and skylight)	2	4	10	20
S80 RWA	3	6	16	32
A90 RWA	3	6	16	32



## Rwa control units

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|--------|--|
| 8C0040 | RWZ 1-4b Control and power unit for the connection of 24V actuators max 4A - 2,0Ah Batteries included<br>EN 12101-10 / ISO 21927-9 certified                             |
| 8C0041 | RWZ 4-8d Control and power unit for the connection of 24V actuators max 8A - 7,0Ah Batteries included<br>EN 12101-10 / ISO 21927-9 certified                             |
| 8C0047 | RWZ 5-20f Control and power unit for the connection of 24V actuators max 20A - 12,0Ah Batteries included<br>EN 12101-10 / ISO 21927-9 certified                          |
| 8C0048 | RWZ 5-40f Control and power unit for the connection of 24V actuators max 40A - 17,0Ah Batteries included<br>EN 12101-10 / ISO 21927-9 certified                          |
| 8C0044 | TF RWZ connection unit for wind and rain detectors.  |
| 8C0255 | PK dry contact for alarm / malfunction forwarding  |
| 8C0258 | PK-SA dry contact for open status forwarding<br>(for RWZ control units except 1-4b and 4-8d)   |
| 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) |



# RW RDC RM2 TM2 RT4 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.



### **RT4 Emergency push button**

The RT4 emergency push button, for the connection to the RWZ control panels, is an emergency push button that displays normal operation, alarm and malfunction.



### **MS-BL4 Sound alarm and strobe**

MS-BL4 is a multiple-tone sounder with 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
8C0244	RT4 Emergency push button with indication of working, alarm and malfunction. Aluminum case orange color
8C0243	RT4-K Emergency push button with indication of working, alarm, open status, malfunction and integrated open/close switch. Aluminum case orange color.
8C0249	LT2-A Ventilation push button with indication open status
8C0257	KE-2a Contact for command extension
8C0248	RM2 Optical smoke detector
8C0247	TM2 75° Thermovelocimetric detector
8E0500	MS-BL4 Multiple-tone sounder with strobe light

