



M-WRG-HBE Remote Control Terminal

M-WRG-HBE	Part -Nr. 5041-0
M-WRG-HBE-F	Part -Nr. 5041-1
M-WRG-HBE-FC	Part -Nr. 5041-2
M-WRG-S/Z-A	Part.-Nr. 5006



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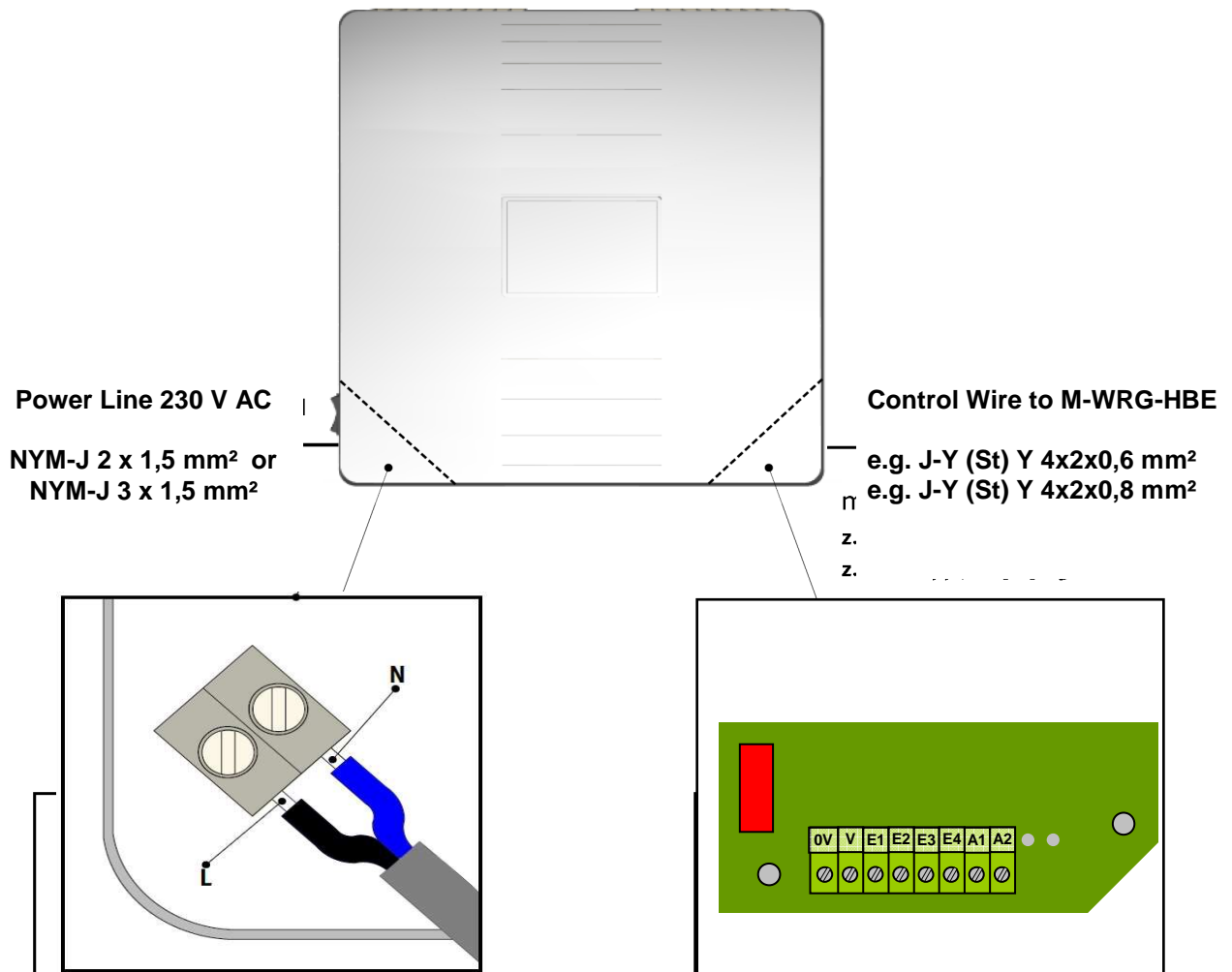
1 Overview

This document describes the installation of the M-WRG-HBE remote control terminals. For the installation of the corresponding ventilation unit M-WRG-S/Z-A refer to the installation manual M-WRG-S/K (Part.-Nr.: 5300-10-01).

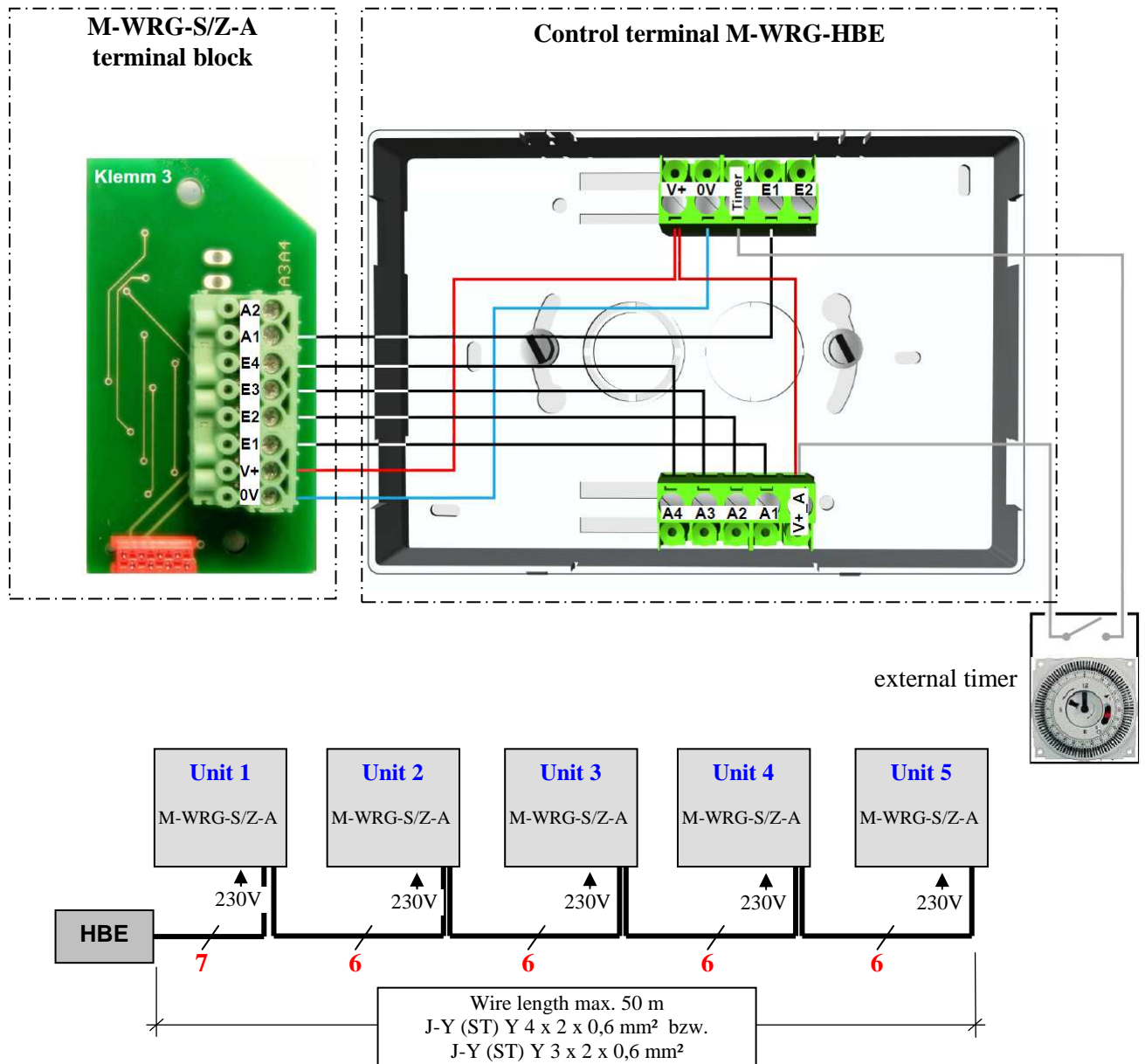
The wall-mounted control terminal should be installed on a flush-mounted box (cut-in box). Control terminal and ventilation units are connected using a 8-core control wire. Up to five M-WRG-S/Z-A units can be connected to one control terminal M-WRG-HBE, however the power supply wire (pin V+) must be connected to one ventilation unit only. A total wire length of 50 m should not be exceeded.

It is also possible to connect an external timer to the control terminal.

2 Electrical connections of the ventilation unit M-WRG-S/Z-A



3 Wiring diagram

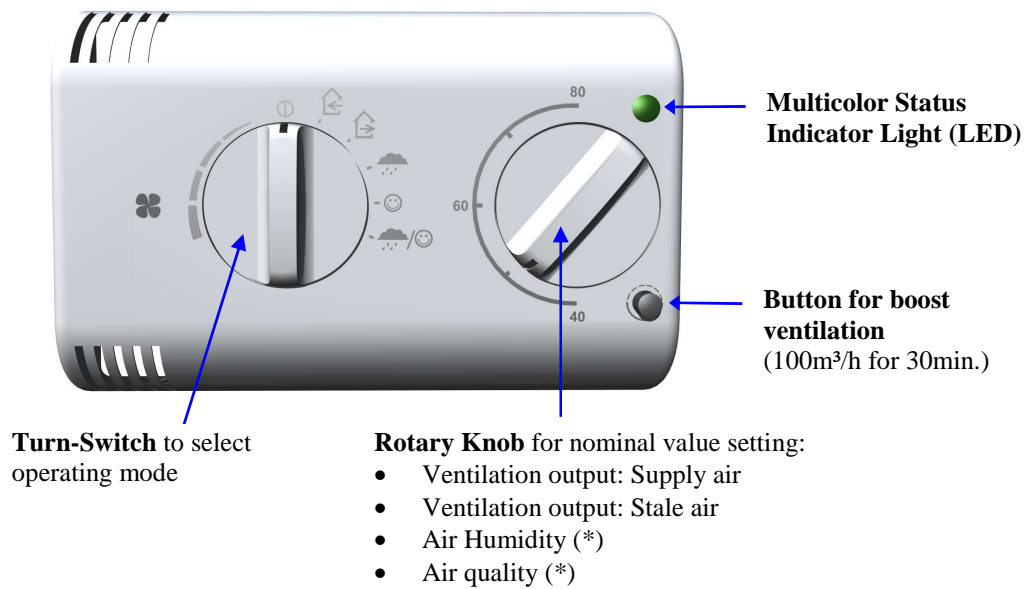


Wiring schematic of the control wire

HBE	Unit 1 M-WRG-S/Z- A	Unit 2 M-WRG-S/Z- A	Unit 3 M-WRG-S/Z- A	Unit 4 M-WRG-S/Z- A	Unit 5 M-WRG-S/Z- A
A1	E1	E1	E1	E1	E1
A2	E2	E2	E2	E2	E2
A3	E3	E3	E3	E3	E3
A4	E4	E4	E4	E4	E4
E1	A1	A1	A1	A1	A1
0V	0V	0V	0V	0V	0V
V+	V+				

Warning: The power supply wire V+ for the control terminal shall be connected to one M-WRG-S/Z-A unit only

4 Overview Control Elements M-WRG-HBE




















(*) Air Humidity can only be controlled with M-WRG-HBE-F and M-WRG-HBE-FC models, Air Quality only with M-WRG-HBE-FC model.



5 Overview Operating Modes M-WRG-HBE

The position of the Turn-Switch selects the operating mode, while the Rotary-Knob determines the values for the parameter for air humidity, air quality or ventilation rate for supply air and exhaust air volumes.

Turn-Switch Positions			Rotary Knob Positions		LED		
Ventilation rate 5	80 m ³ /h						
Ventilation rate 4	60 m ³ /h						
Ventilation rate 3	40 m ³ /h						
Ventilation rate 2	30 m ³ /h						
Ventilation rate 1	15 m ³ /h						
OFF							
Supply air output	50:15 m ³ /h	100:15 m ³ /h		Switch position 40	Switch position 80		
Stale air extraction	50:15 m ³ /h	100:15 m ³ /h		Switch position 40	Switch position 80		
Humidity Mode (HBE/F)				Humidity concentration 40-80%r.F.	Actual< Set	Actual> Set	>80% Actual 1.
Air Quality Mode (HBE/FC)				Air quality 500 (Position 40) up to 1500 ppm (Position 80)	Actual< Set	Actual> Se	>1500 Actual 1. ppm
Air Humidity/Air Quality Mode (HBE/FC)				Humidity concentration and air quality (Settings, same as above)	Actual< Set	Actual> Se	>80% >1500ppm
Button Boost ventilation 100 m ³ /h, 30 min.							
Red flashing LED light: Operating Mode is not available!							
1.) yellow flashing, Actual value is above the maximum parameter							
2.) green flashing, Actual value is below the minimum parameter							

