Connection schemes 160 series 12 V

Content

Important notes before installation:

- The 12V cables must be laid separately from cables with other voltages or must be shielded (VDI guideline DIN VDE 0100-802).
- The cables between the control unit and the switch must not be extended.

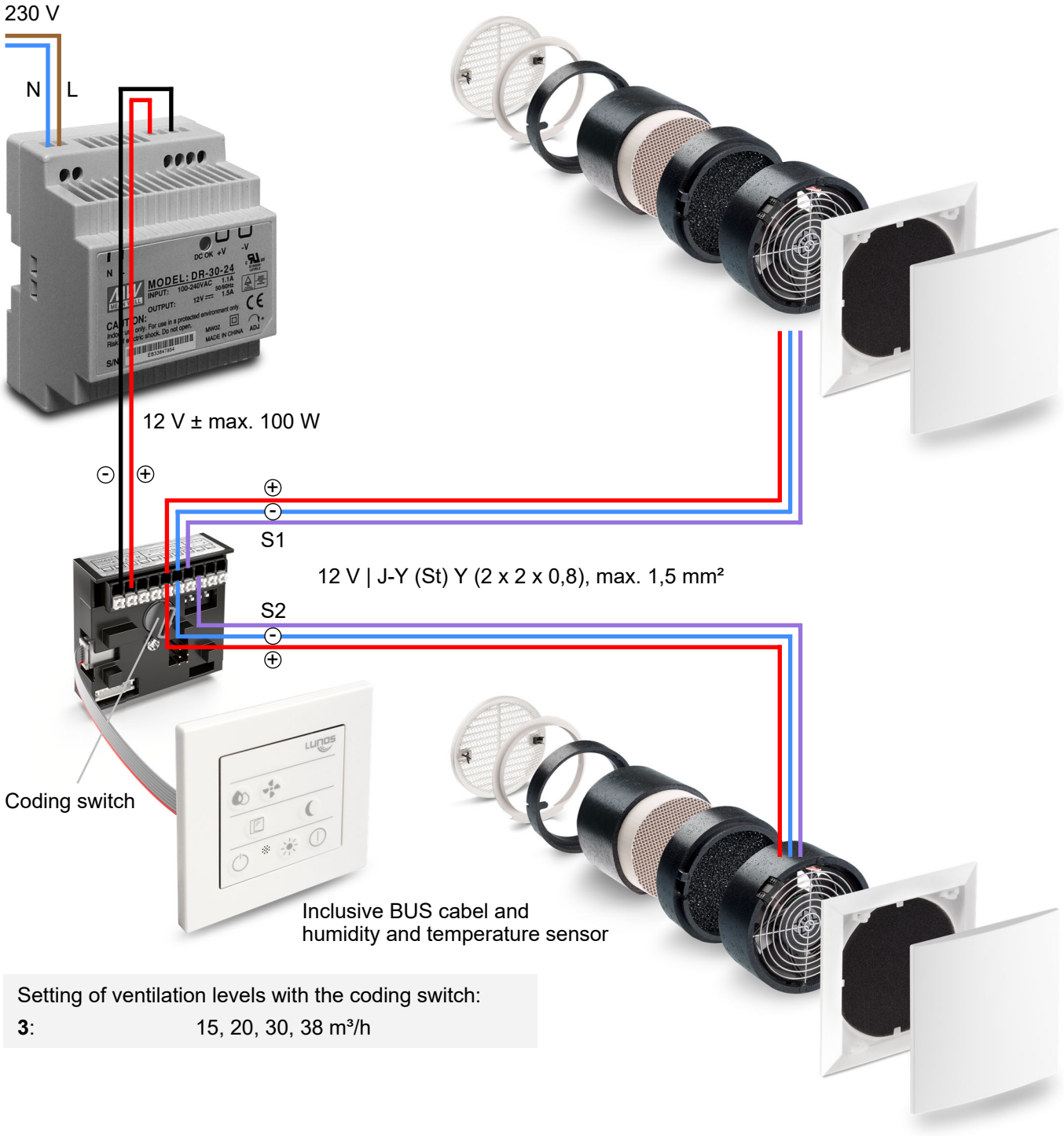
For full installation information, please refer to the enclosed installation instructions for the ventilation units.
The connection scheme is merely a supplement.

Circuit diagram Smart Comfort (5/SC-FT) + e² or e²short

Number of fans per power supply:

5/NT18	6 e²
5/NT60	10 e²
5/NT100	10 + 10 e²

The fans must be connected in a star configuration starting from the control unit! A "loop-through" is not permitted.



Setting of ventilation levels with the coding switch:

3: 15, 20, 30, 38 m³/h

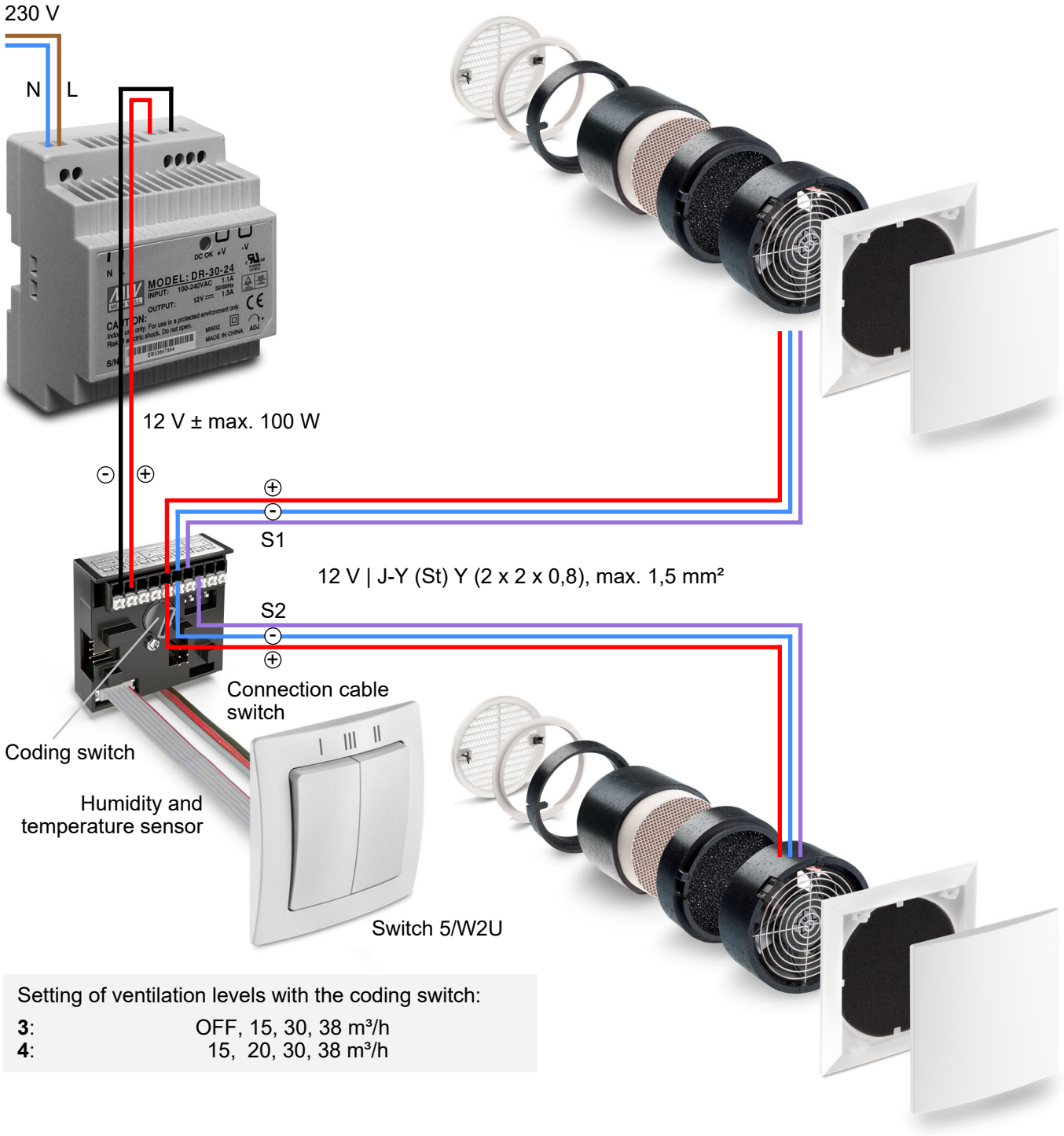
The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram universal control (5/UNI-FT) + e² or e²short

Number of fans per power supply:

5/NT18	6 e²
5/NT60	10 e²
5/NT100	10 + 10 e²

The fans must be connected in a star configuration starting from the control unit! A "loop-through" is not permitted.



Setting of ventilation levels with the coding switch:

3:	OFF, 15, 30, 38 m³/h
4:	15, 20, 30, 38 m³/h

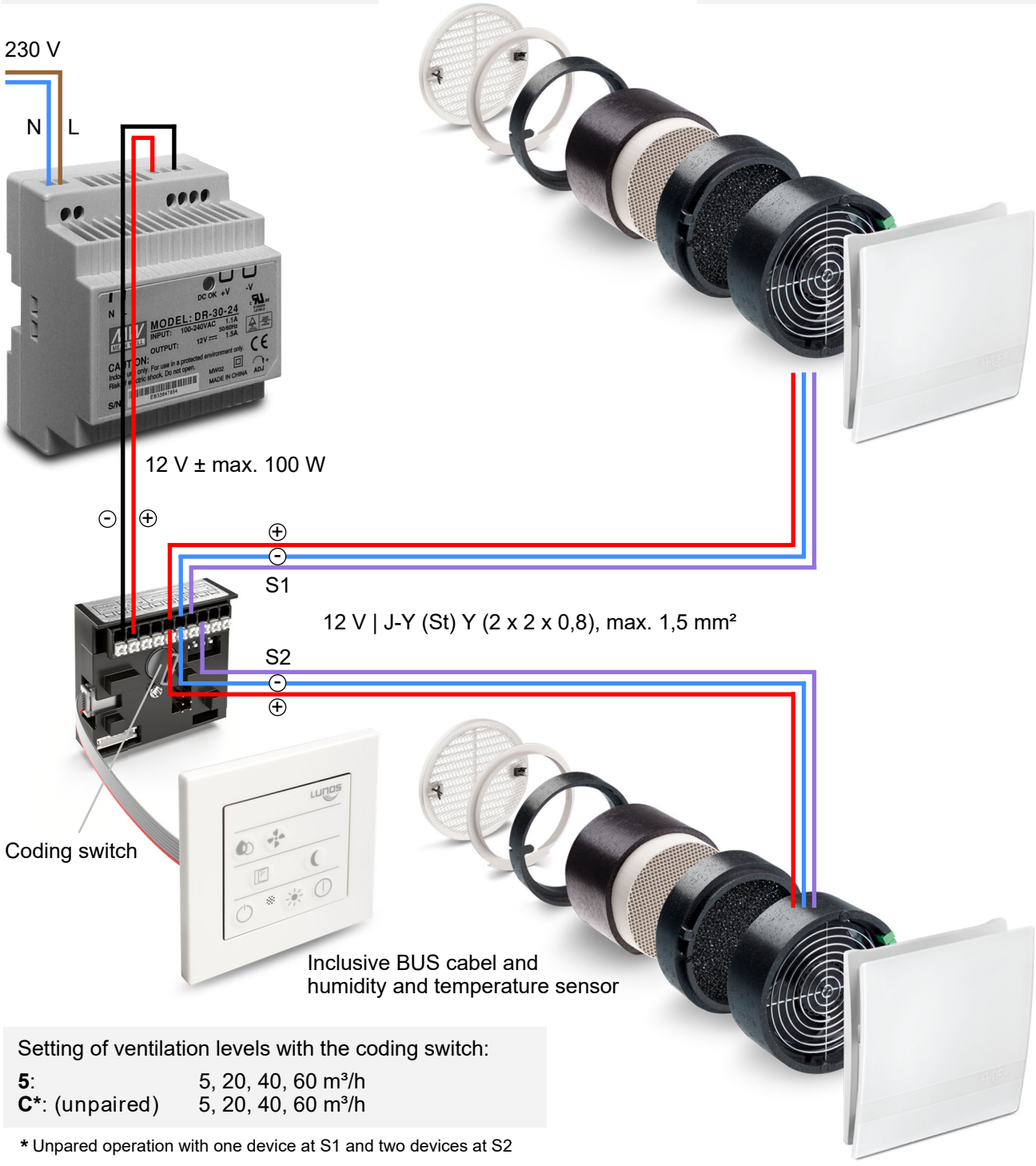
The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram Smart Comfort (5/SC-FT) + e²60 or e²60short

Number of fans per power supply:

5/NT18	6 e²60
5/NT60	10 e²60
5/NT100	10 + 10 e²60

The fans must be connected in a star configuration starting from the control unit! A "loop-through" is not permitted.



Setting of ventilation levels with the coding switch:

5:	5, 20, 40, 60 m³/h
C*: (unpaired)	5, 20, 40, 60 m³/h

***** Unpared operation with one device at S1 and two devices at S2

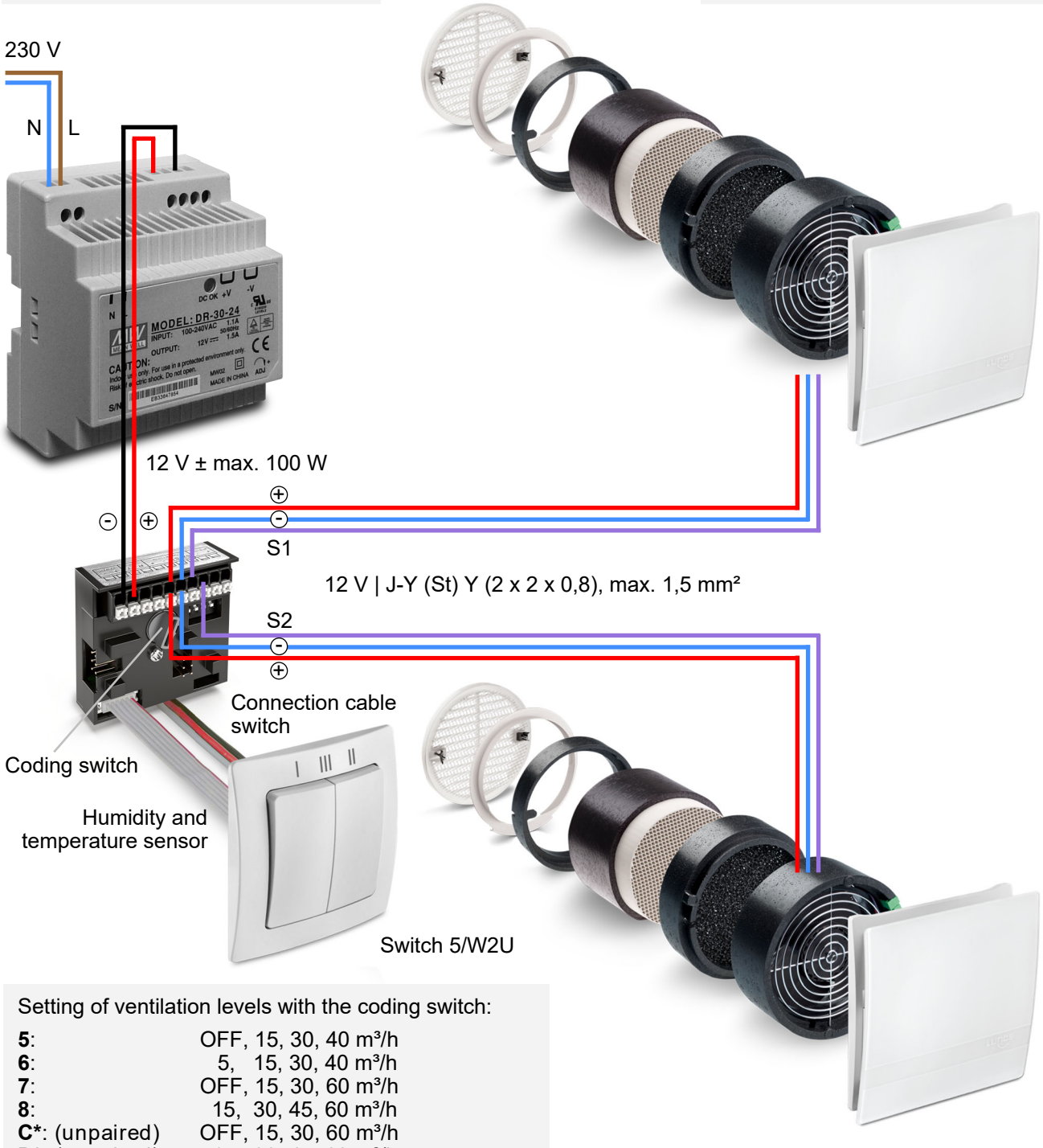
The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram universal control (5/UNI-FT) + e²60 or e²60short

Number of fans per power supply:

5/NT18	6 e²60
5/NT60	10 e²60
5/NT100	10 + 10 e²60

The fans must be connected in a star configuration starting from the control unit! A "loop-through" is not permitted.



Setting of ventilation levels with the coding switch:

5:	OFF, 15, 30, 40 m³/h
6:	5, 15, 30, 40 m³/h
7:	OFF, 15, 30, 60 m³/h
8:	15, 30, 45, 60 m³/h
C*: (unpaired)	OFF, 15, 30, 60 m³/h
D*: (unpaired)	15, 30, 45, 60 m³/h

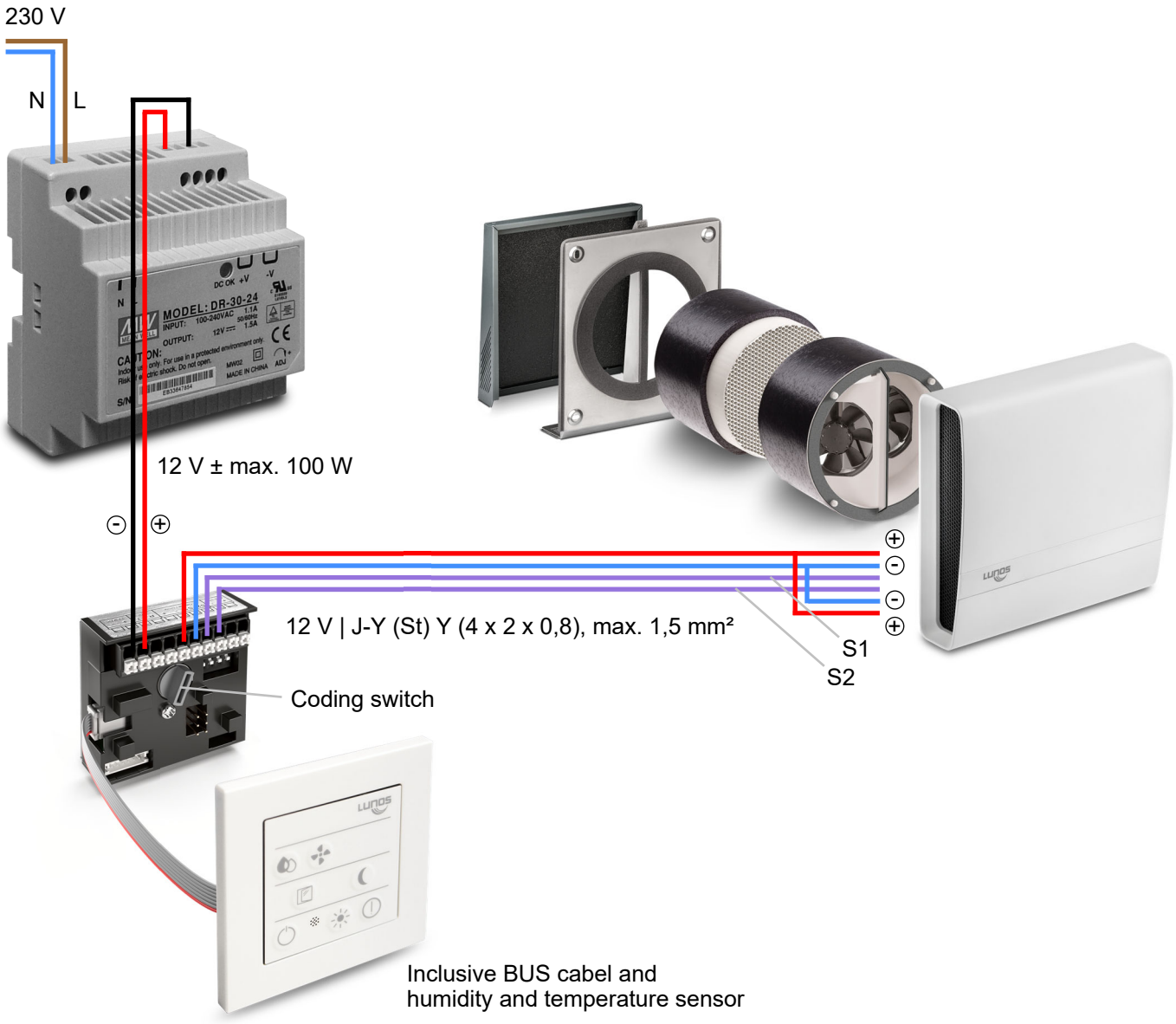
* Unpaired operation with one device at S1 and two devices at S2

The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram Smart Comfort (5/SC-FT) + e^{go}

Number of fans per power supply:

5/NT18	3 e^{go}
5/NT60	5 e^{go}
5/NT100	5 + 5 e^{go}



Setting of ventilation levels with the coding switch:

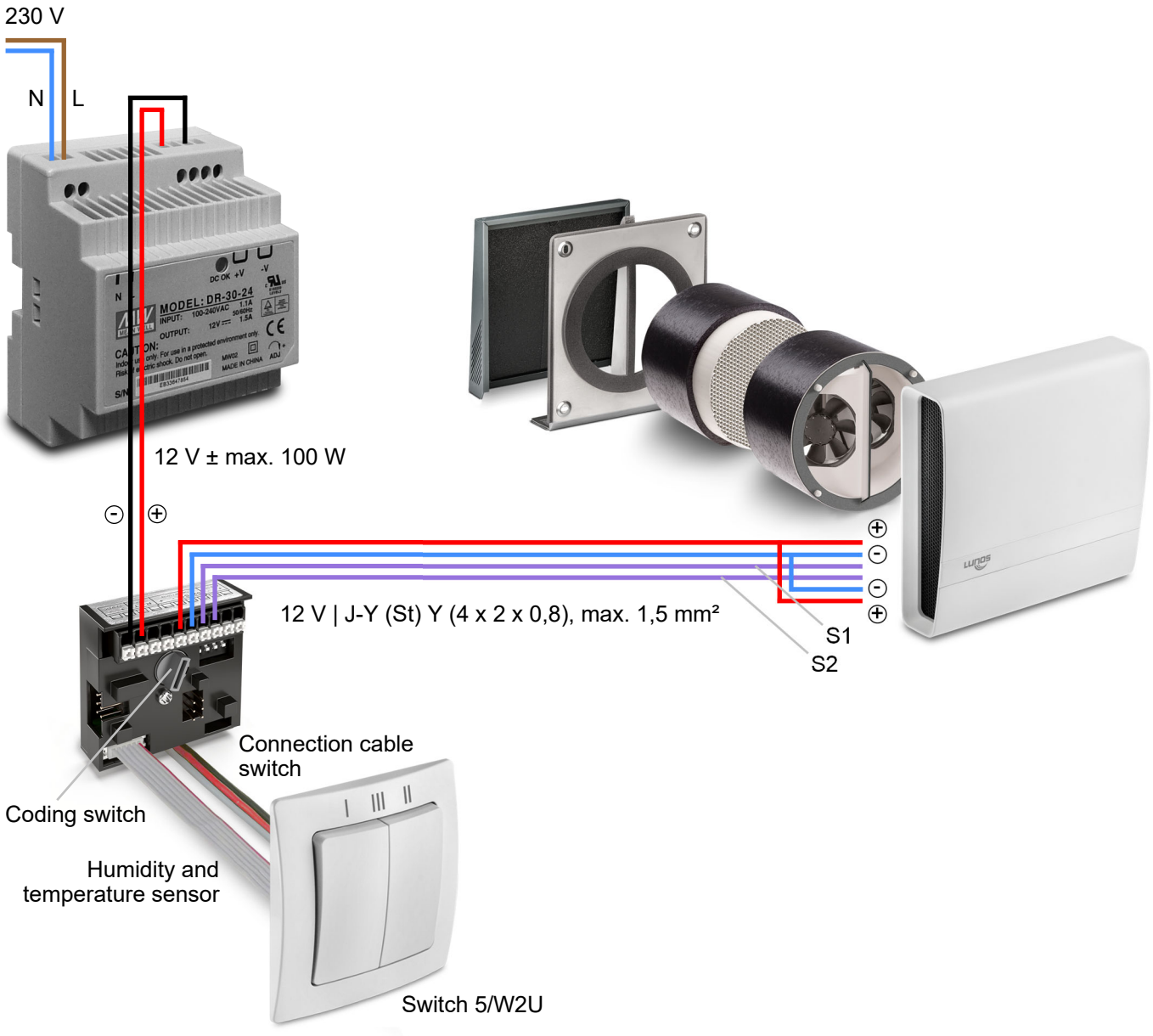
9: 5, 10, 20, 45 (exhaust) m³/h

The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram universal control (5/UNI-FT) + e^{go}

Number of fans per power supply:

5/NT18	3 e^{go}
5/NT60	5 e^{go}
5/NT100	5 + 5 e^{go}



Setting of ventilation levels with the coding switch:

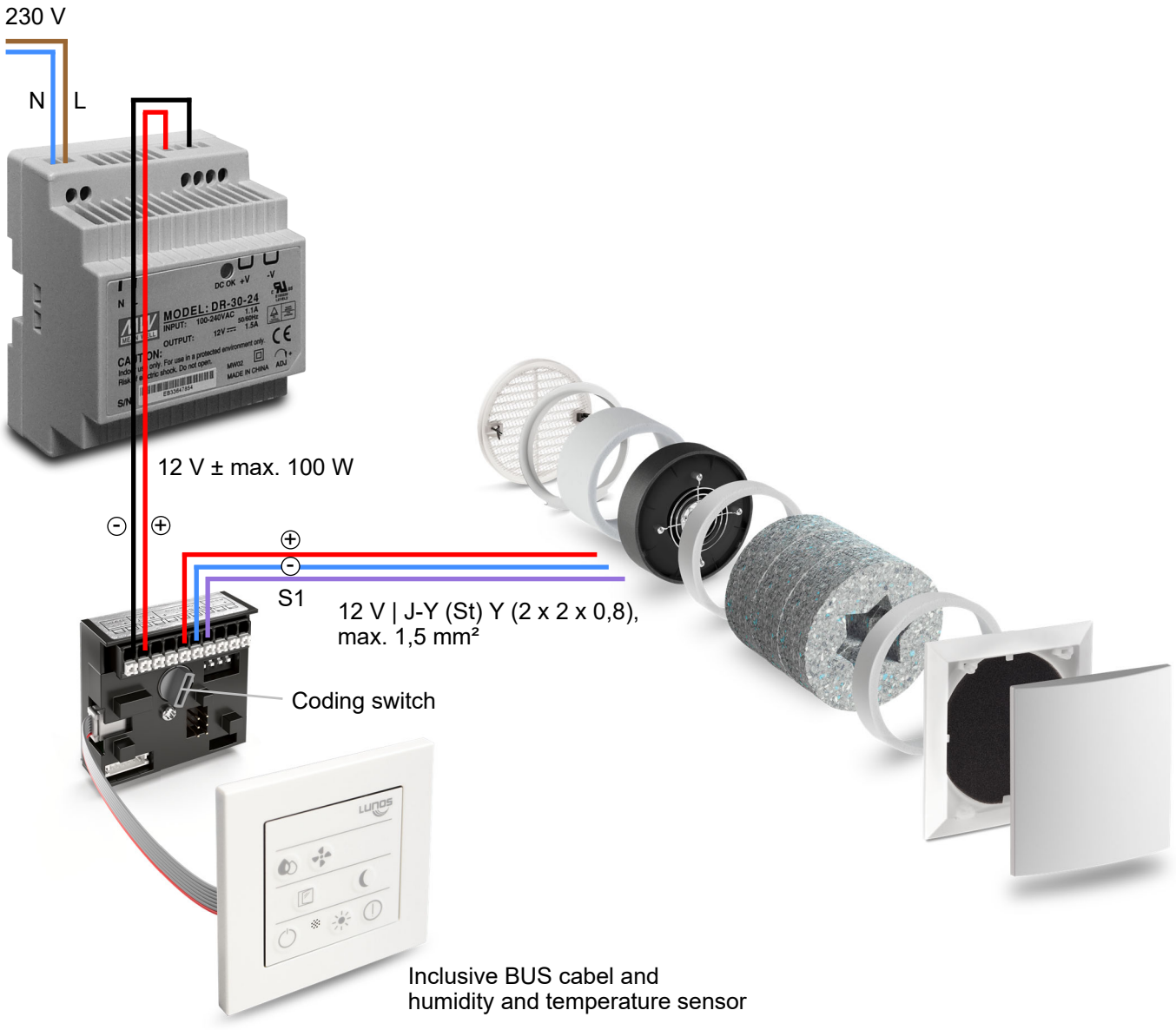
9:	OFF, 5, 10, 45 (exhaust) m³/h
A:	5, 10, 20, 45 (exhaust) m³/h
B:	10, 20, 45, 45 (exhaust) m³/h

The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram Smart Comfort (5/SC-FT) + RA 15-60

Number of fans per power supply:

5/NT18	1 RA 15-60
5/NT60	2 RA 15-60
5/NT100	1 + 2 RA 15-60



Setting of ventilation levels with the coding switch:

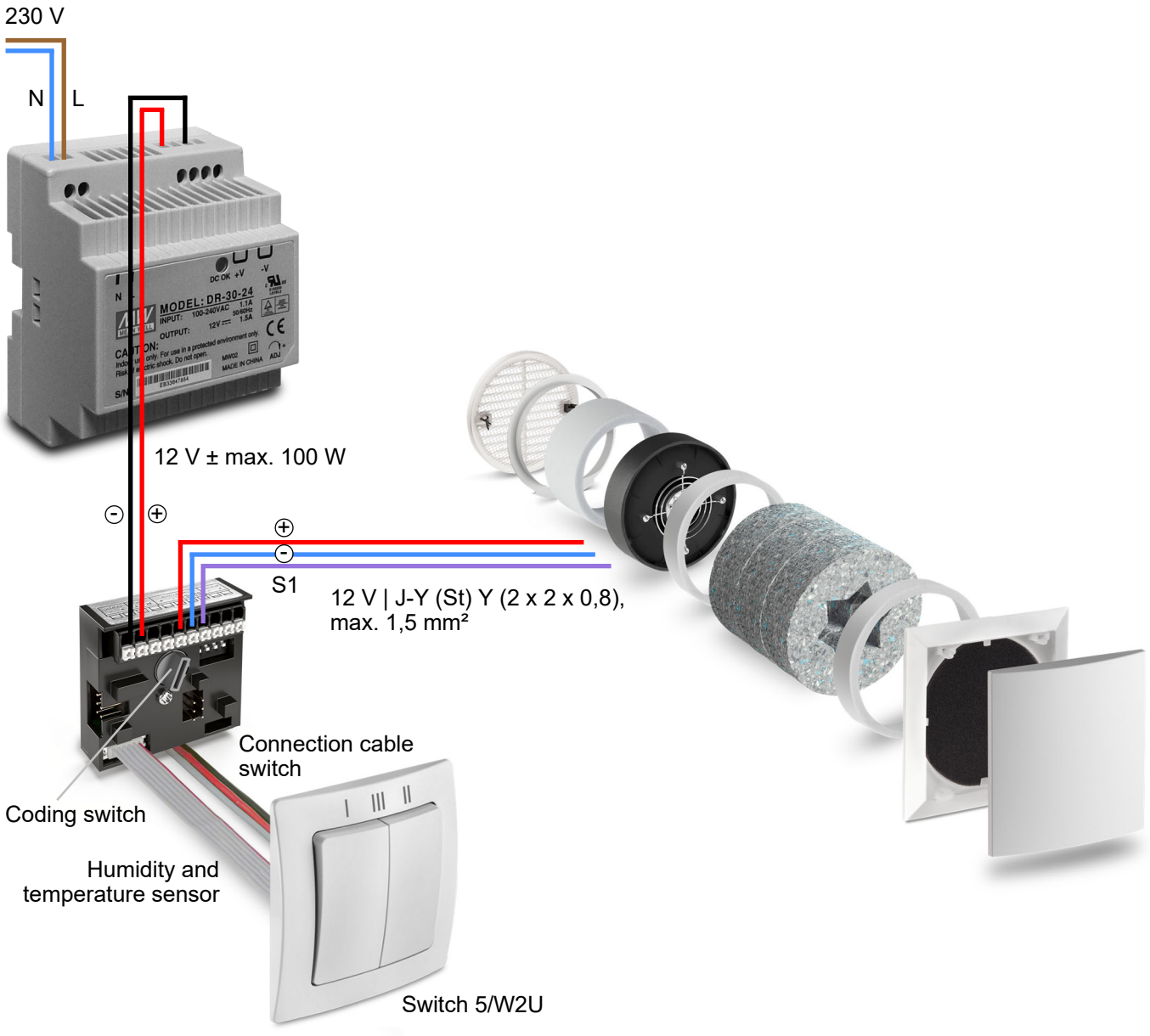
0: 15, 30, 45, 60 m³/h

The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram universal control (5/UNI-FT) + RA 15-60

Number of fans per power supply:

5/NT18	1 RA 15-60
5/NT60	2 RA 15-60
5/NT100	1 + 2 RA 15-60



Setting of ventilation levels with the coding switch:

0:	OFF, 15, 30, 45 m³/h
1:	OFF, 15, 30, 60 m³/h
2:	15, 30, 45, 60 m³/h

The diagram is for information purposes - the use of the installation instructions is still mandatory!

Circuit diagram wireless screen (9/IBF-RF) + Serie e² or RA 15-60

Direct connection to 100 - 240 V AC required

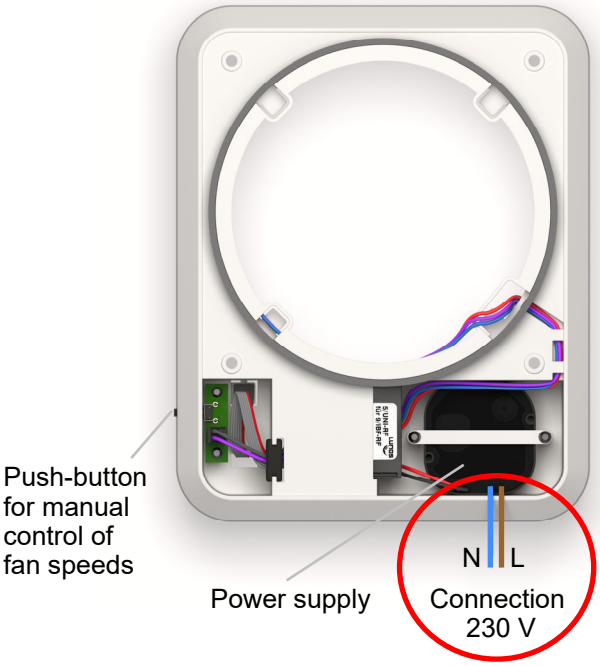
Setting of ventilation levels with the coding switch:

0:	all fans	Slave
1:	RA 15-60	OFF, 15, 30, 60 m³/h
2:	RA 15-60	15, 30, 45, 60 m³/h
3:	e²	OFF, 15, 30, 38 m³/h
4:	e²	15, 20, 30, 38 m³/h
5:	e²60	OFF, 15, 30, 40 m³/h
6:	e²60	5, 15, 30, 40 m³/h
7:	e²60	OFF, 15, 30, 60 m³/h
8:	e²60	15, 30, 45, 60 m³/h
C:	e²60*	OFF, 15, 30, 60 m³/h
D:	e²60*	15, 30, 45, 60 m³/h
E:	Control via 0 - 10 V input	

*unpaired

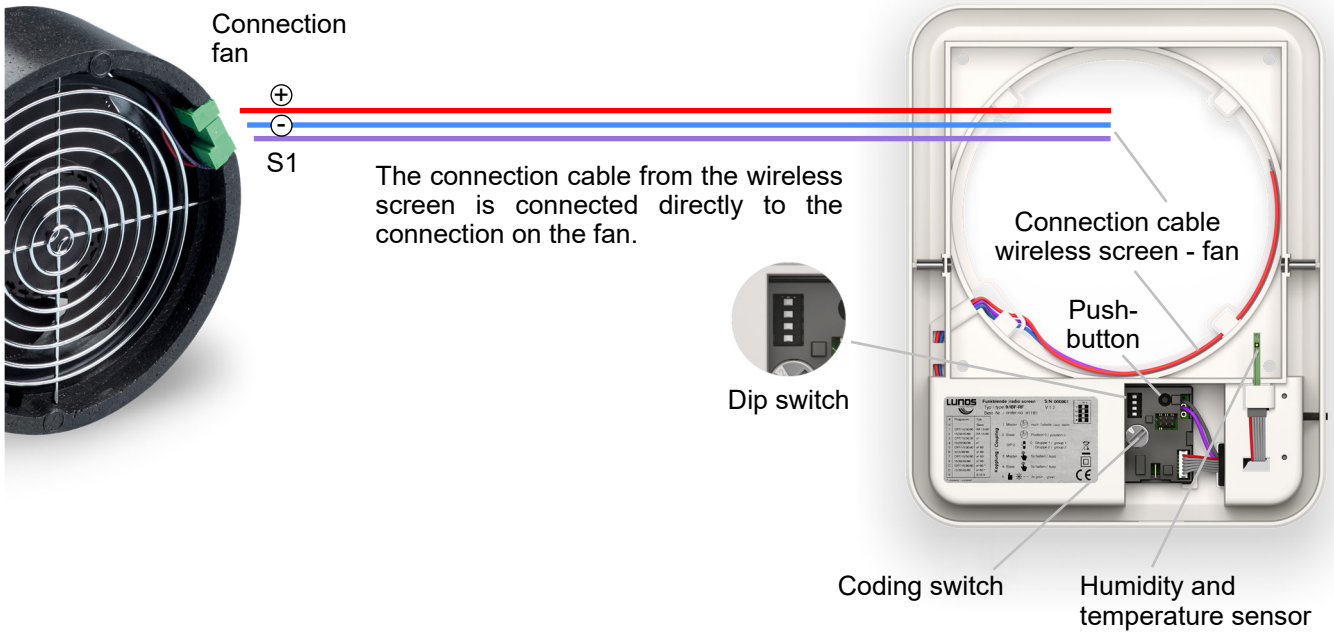
If there are several wireless screens that control the same fan type via one programme, the master and slave are determined before pairing. The master is set to the desired programme with the coding switch, the slave wireless screen(s) to "0".

Rear view:



Dip switch settings:
Dip switch 2 is used to assign the slave component to a ventilation group (group 1 or 2). This assignment is used to configure which components work together in supply air mode and which in exhaust air mode. The master is automatically assigned to group 1. After all components have been set up and paired, an identical number of fans should be assigned to both groups.

Front view:



The diagram is for information purposes - the use of the installation instructions is still mandatory!

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