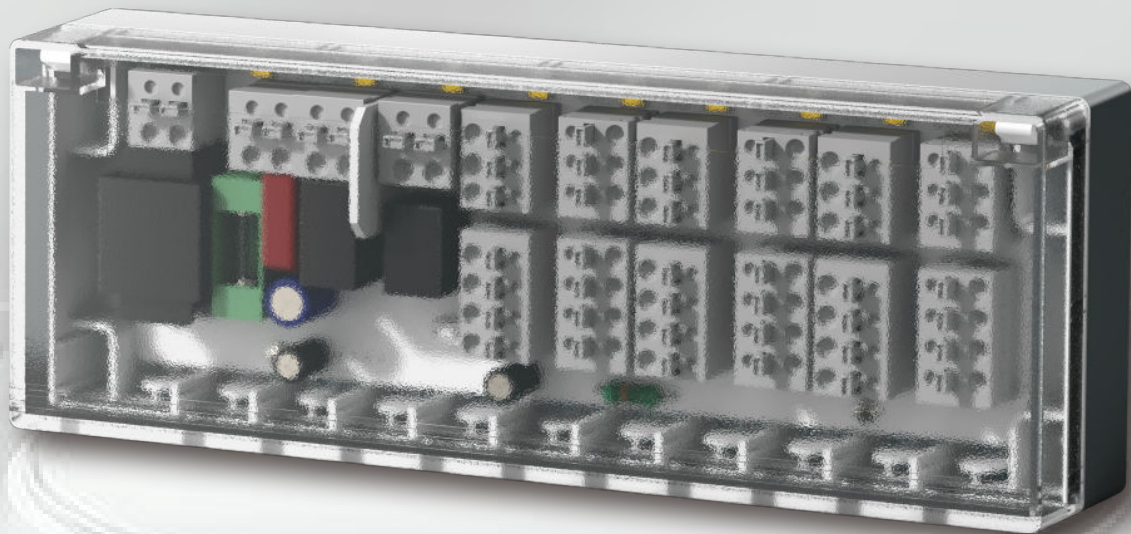


# ***Multi-channel Wired Base Station Manual-6 zones***

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BS-Y6



## Base station with pump and boiler control

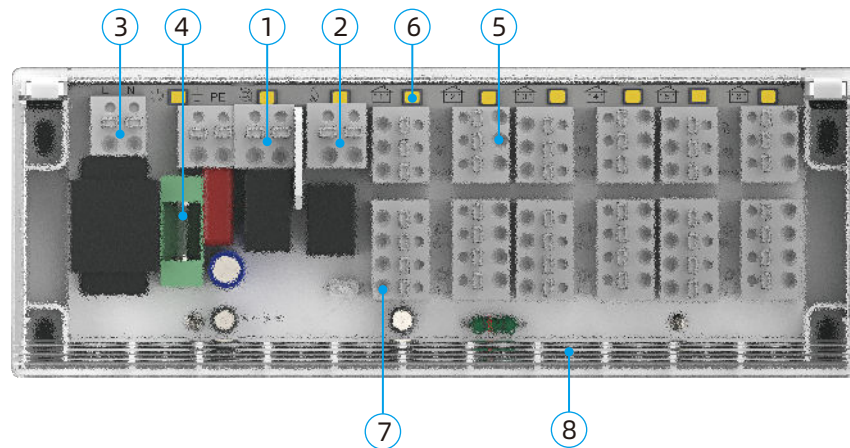
BS-Y6 is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating systems.

BS-Y6 is available in the versions with 8 zones in 230 V. With minimum expense, BS-Y6 can be wired to all system components as e. g. thermostats and actuators. The system components are supplied directly with the voltage supply of BS-Y6. All switching commands for the thermostats are forwarded directly to the connected system components.

### Feature:

Design with 6 zones	Pump and boiler control
230 V version	Control direction : NC (normally close)
A maximum of 12 actuators can be connected	High functional security
Equipment for heating	120s delayed start, prevent conflicts between internal and external water pump
Simple, intuitive installation and operation	Maintenance-free
Status signalling by LEDs	Clearly structured connection terminals
Proven cable guide and standard-complying strain relief	Screwless terminal connection technique

### Device overview:

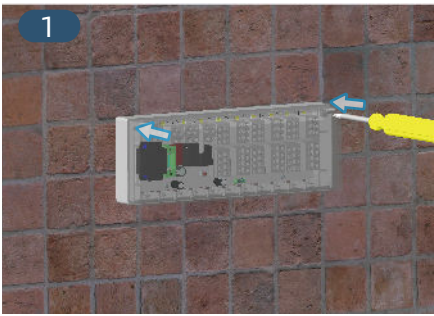


1	Pump control	<ul style="list-style-type: none"> <li>• Potential-free contact for controlling a boiler circuit</li> <li>• Starting and switching-off delay predefined with 2 minutes</li> </ul>
2	Boiler control	<ul style="list-style-type: none"> <li>• Potential-free contact for controlling a pump circuit</li> <li>• Starting and switching-off delay predefined with 2 minutes</li> </ul>
3	Voltage supply/through clamp	<ul style="list-style-type: none"> <li>• Through clamp for the connection of electrical consumers as e. g. pump (only 230 V version)</li> </ul>
4	Fuse	<ul style="list-style-type: none"> <li>• Protects base station direct by interrupting the circuit if the amperage exceeds a defined value for a predefined time.</li> </ul>
5	Connection for thermostat	<ul style="list-style-type: none"> <li>• Quick connection of up to 6 thermostats</li> <li>• Voltage supply for connected thermostats</li> </ul>
6	Status signalling by leds	<ul style="list-style-type: none"> <li>• Clear status signalling, also with the casing cover closed, for: Boiler/pump active (yellow) Operating status active (yellow) Heating zone active (yellow-one status LED per heating zone)</li> </ul>
7	Connection for actuators	<ul style="list-style-type: none"> <li>• Voltage supply for connected actuators</li> </ul>
8	Cable guide and strain relief	<ul style="list-style-type: none"> <li>• Proven, integrated cable guide and strain relief according to DIN EN 60730-1</li> </ul>

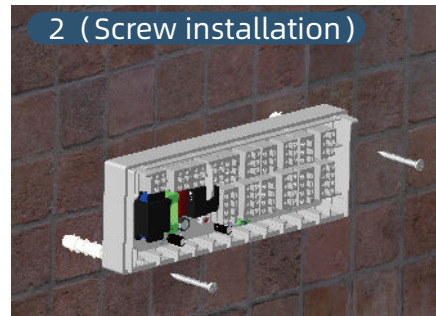
## Technical Data:

Operating voltage	230 V / $\pm 10\%$ / 50 Hz	
Voltage supply	Euro connector (accessory) / external voltage source	
Max. power consumption (without pump/boiler consumer)	Max. 80 Watts	
Fuse	5-10A	
Max. number of thermostats	6	
Max. number of connection terminals for actuators	12	
Pump circuit	Active contact(potential contact)	
Boiler circuit	Potential-free contact	
Pump control and Boiler control	Switching power	2 A, 200 VA inductive
	Switching element	Relay
	Turn-on delay	2 min
	Follow-up time	2 min
Control direction normally closed (NC)	NC (Standard, Standard Plus without connected pump)	
Admissible ambient temperature	0 to +50 °C	
Admissible storage temperature	-20 to +70 °C	
Admissible ambient humidity	80%,not condensing	
Temperature for ball pressure test	550°C	
Pollution	1500V	
Rated impulse voltage	Screw-less terminals for 0.2 to 1.5mm <sup>2</sup> ,vertical cable entry	
Connection line	Massive: NYM-J/NYM-O (max. 5 x 1.5 mm <sup>2</sup> )	
	Flexible:H03V2V2H2-F / H05V2V2H2-F	
Strain relief	Integrated	
Standard and regulations E 60730-2	E 60730-2	
Protection class	II	
Protection	IP20	
Material	Cover:ABS	
	Casing:ABS	
Colour	Cover:Transparent,polished in the area of the leds	
	Casing:light grey(RAL 7035)	
Weight	275g	
Dimensions(L x W x H)	184 x 67 x 35 mm	
Type of installation	Wall installation	
Indicators (LED)	Heating zone active:white	
	Mains voltage on: white	
	Pump/boiler active:white	

## Wall Installation:



Loosen the casing cover at both latching points with a screwdriver and remove it.



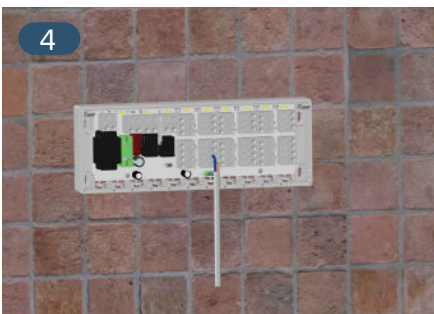
Mark the two fixing holes for the basis and drill them. The basis must horizontally aligned. Install the basis with dowels and screws (2 units M4) depending on the condition of the wall.



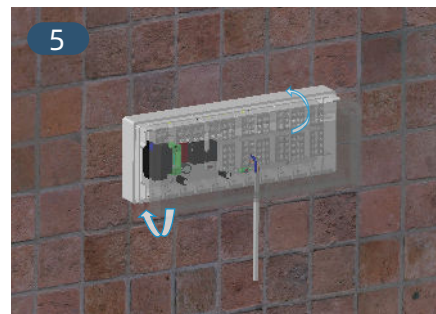
Base station is fixed to the metal plate through the magnets on the back, no screws are required.



Align the basis and tighten the screws by hand.



Lay the cables into the casing through the strain relief and install all cables to the basis using the clamping/plug-in technology; this is possible in a very short time.



Close the cover and apply mains voltage. Now the basis is ready to operate.