

animeo® IB+ Inside Sensor Box Tuned to the temperature scale



Thanks to its 2 inside temperature sensors inputs, the Inside Sensor Box is the essential device for the management of the 3 operational modes, and more specially for the Energy saving functions.

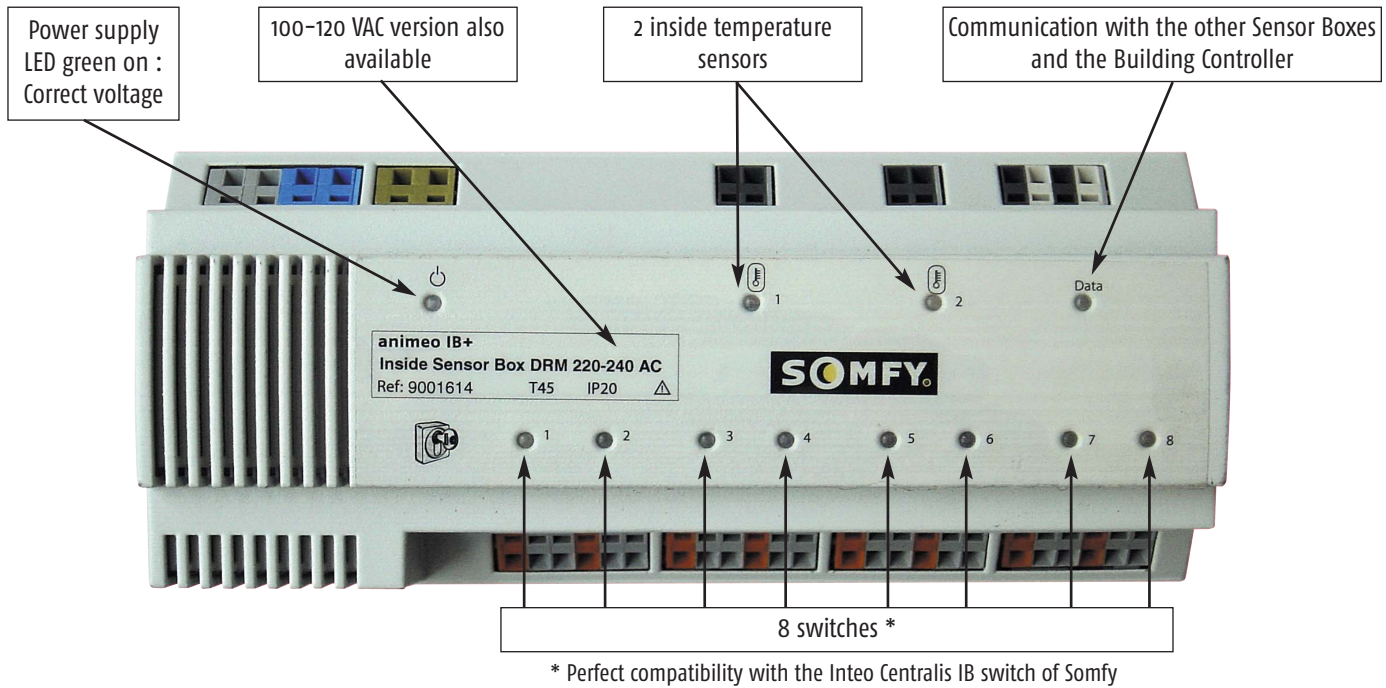


Inside Sensor Box

The Inside Sensor Box also enables to control each zone individually via the 8 switch inputs. This function is very useful for the windows cleaner or for any repairing of your façade.

In the case of 2 Building Controllers used for 16 zones, you can connect 2 Inside Sensor Boxes.

To guarantee a proper operation for the Animeo IB+ system, all the measured values are filtered respectively and checked on plausibility before being sent to the Building Controller.



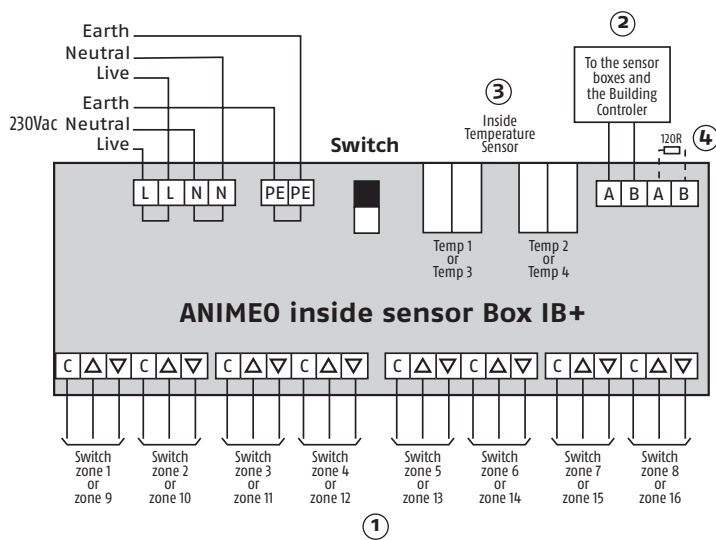
LED is active as long as correspondent input or output is active, excepted for the 2 sensor LED where :

LED off: No problem

LED 1 sec.: Change of value coming from the inside temperature sensor

LED blinking: Error (sensor not connected/broken, short circuit, not configured sensor connected)

Inside Sensor Box Interface



TECHNICAL SPECIFICATIONS		
Inside Sensor Box IB+		
Supply	Voltage	220 VAC - 240VAC 100 VAC - 120 VAC
	Frequency	50 Hz - 60 Hz
	Max. operating current (primary)	35 mA (230 VAC) 74 mA (110 VAC)
Mechanical Data	Housing	DIN Rail
	Length / Height / Width	(12 TE) 210 mm / 63 mm / 90 mm
	Weight	540 g
	Plastic	type: polycarbonat mass: 210 g
Housing material	Recyclable	
Protection Class	IP20	
Inputs / Outputs	General	Implement Decoupling
free Inputs	8 switches	8 x double Pushbutton (C, Up, Down)
	2 temperature sensors	2 x NTC reference : 9001611
Fuse	Thermal fuse	Self resetable fuse or Polyswitch
Temperature ranges	Operating temperature	0°C to 45°C
	Storage temperature	-20°C to 70°C
	Relative humidity	85%
EMC	EN 60 730	
Standards compliance	EN 60 730-1, IEC 730 (electric safety devices), EN 60 721-3-1/2	
Approvals	ENEC 10, UL	

Connection	Maximum distance	Type of cable (for default sensors)	
		Section / AWG	Twisted pairs
①	100 m	Min. : 3 x 0.6 mm ² / 19 AWG Max. : 3 x 2.5 mm ² / 13 AWG	Recommended
②	500 m	Min. : 2 x 0.6 mm ² / 19 AWG Max. : 2 x 0.8 mm ² / 18 AWG	Obligatory
③	500 m	Min. : 2 x 0.6 mm ² / 19 AWG Max. : 2 x 2.5 mm ² / 13 AWG	-

④ Resistance 120 Ohms: Only required at the beginning and at the end of the RS485 2 wires network