

6.2 Sensor



Fig. 6.c

Sensors:

White

- EW00SA1000 (temperature only)
- EW00SB1000 (temp. and humid.)

Black

- EW00SA2000 (temperature only)
- EW00SB2000 (temp. and humid.)



Fig. 6.d.a



Fig. 6.d.b

Technical specifications

Power supply	SAFT LS 14500 lithium battery
Maximum power input	100 mW
Battery life in normal operating conditions	From 3 to 8 years according to set transmission time. (CAREL is not responsible for the specified battery life)
Radio frequency specifications	Frequency: selectable 2405 to 2480 MHz Power transmitted: 0 dBm Wireless protocol: ZigBee
Operating conditions	0T50 °C humidity range: <80% RH non-condensing
Storage conditions	-20T70 °C humidity range: <80% RH non-condensing
Precision of temperature measurement	±1 °C 10T40 °C; ±2 °C 0T50 °C
Precision of humidity measurement	±5% 20 to 80% RH
Index of protection	IP20
Classification according to protection against electric shock	Can be integrated in class 1 and 2 equipment
Environmental pollution	Normal
PTI of insulating materials	250 V
Period of stress across the insulating parts	Long
Category of resistance to heat and fire	category D (box and cover)
Immunity against voltage surges	category I
Software class and structure	Class A
Disposal	observe local legislation for the disposal of electrical material

Tab. 6.b



General warnings

Danger of explosion if the incorrect type of battery is used.
Dispose of used batteries in compliance with the standards in force.