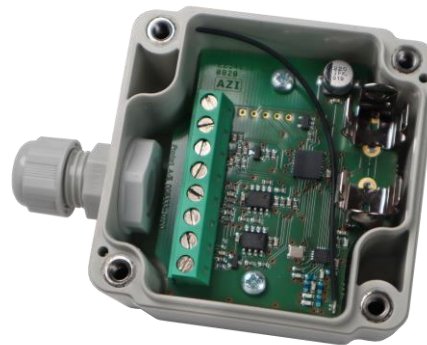
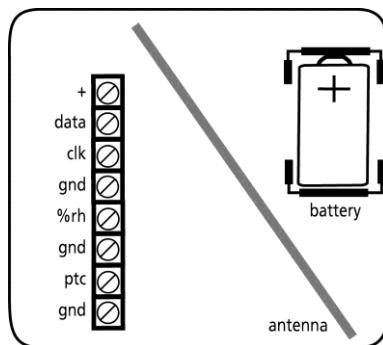


Data sheet for dampSpot



DESCRIPTION

dampSpot is a wireless detector used together with additional probe:

- 006320 Temperature- and humidity sensor 50cm, ($\pm 0,2^{\circ}\text{C}$ and $\pm 1,8\%\text{RH}$). Probe with built-in temperature sensor and build-in relative humidity sensor. **Connection to the terminals +, data, clk and gnd.**
- 007995 Temp probe $\pm 25\text{-}50^{\circ}\text{C}$, $+2^{\circ}\text{C}$ PTC, $\varnothing 6 \times 50\text{mm} \times 2,5$. Probe with sensor for measuring of temperature. **Connection to the terminals ptc and gnd.**
- Measuring of temperature and moisture in wood. **Connect to the terminals %rh, gnd, ptc and gnd.**

dampSpot is supplied by a $\frac{1}{2}$ AA 3V,6V lithium battery. Every 4 minutes the dampSpot transmits the actual measurement and the data will be logged in the central unit.

NB! dampSpot sends an alarm in case of low battery power.

dampSpot is placed in the room where the measurements are done. Must be placed as high as possible. Preferably in a way that the antenna is not "hidden" behind metal or reinforced concrete as this considerably limits the RF-signal. dampSpot is installed by means of screws or by use of double-sided tape.

SPECIFICATIONS

Power supply: $\frac{1}{2}$ AA battery 3,6V Lithium
Battery life: Up to 2 years.

Temperature installation $\pm 40\text{-}65^{\circ}\text{C}$
For correct measurements: $> 0\text{-}65^{\circ}\text{C}$
Store: $\pm 40\text{-}65^{\circ}\text{C}$

Radius of RF-signal: Typical 30-100 m indoors

Size: 105x65x43mm
Weight: 125 g

Service: Every 6 months a check must be made to see if dampSpot's transmission conditions are optimal. This is done in the supervision facility of the central unit by checking the amount of signals sent by dampSpot. The signal strength must not be less than 25%. If the signal strength is less than 25% the physical conditions having an impact on the signal strength must be regulated. To see if dampSpot works, check if measurements every 4 minutes are recorded in the central unit. This should be done in case any suspected transmission failure. Please note that dampSpot must be registered as "monitored" in the system if the system is required to provide a warning for battery failure. The battery is replaced by opening the dampSpot box. Carefully loosen the battery. Then insert the new battery. The battery must be placed correctly with + pole and \div pole. Beware that the antenna is not damaged.