



## Climate Sensors

### **Correct measuring**

Sensors should measure following the same principle according to which the plants perceive the environments. E.g. light sensor Q20 measures the light in light quanta in exactly the same way that the plants see the light. This means e.g. that the screens open in the morning when the plants can make use of the light, and not when we think this is the case.

### **Durability**

The sensors must be durable. The climate is a considerable part of the plant production and the energy expenses are often dependent on the sensor reports regarding the climate. The temperature sensors must therefore be of a good quality.



- **Reliable sensors**

- **The picture shows sensors for measuring of:**

- **Room temperature RT10**
- **Quantum sensor Q20B**
- **Solar radiation SC21B**
- **Pot temperature, sensor PF5 (PF10)**
- **Flow temperature sensor E10**
- **Photo cell LF2**

The correct climate may have great influence on how fast the plants will be ready and if the final result is first rate pot plants and vegetables. This is why an expensive but durable and stably measuring sensor gains its price in a very short time.

### **Placing of the sensors**

The sensors must be placed at a representative place in the house. The temperature sensor must not be placed above a heating pipe or by a gangway, just as the flow sensors are to be installed some distance away from the heat valve.

A well adapted climate is a condition of prime quality plants. Good accurate sensors are of great importance to the optimal climate being an integrated part of the climate control.

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### **Service**

It is important to have the sensors inspected at least twice a year by a service technician. As an example a temperature sensor with incorrect readings may cause large expenses. The vents may open in cases where there was no need to ventilate, and in addition to the heat loss this could cause the plants to become of poor quality when growing under less harmonized climate conditions. This is the reason why it is very important to the wanted quality that the sensors measure accurately.

Humidity sensor RTV and RTF are described on separate product leaflets.

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