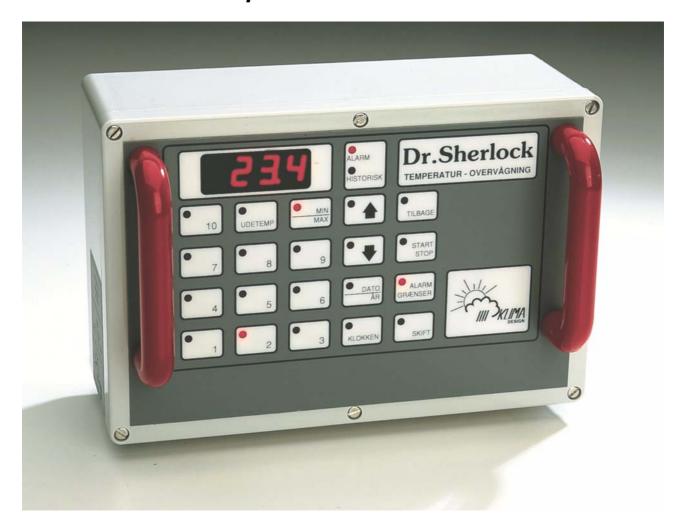# Dr. Sherlock
Temperature-control

- Alarm supervision. 10 analog inputs for temperature sensors + one for outdoor temperature.
- High and low temperature alarm + alarm by unacceptable alterations.
- Unwanted alarms caused high outside temperature can be avoided safely.
- RS 485-interface.
- Local alarm (siren) and function for alarm calls can be activated individually on each input.

Functional description

Survey

- Display shows temperatures.

- All operations are done on the keyboard. You avoid thermostats in each room which need adjustment.

- Historical function: You can go back in time and see temperatures and alarms with indication of date and time. Function for seeking on lowest and highest value.

- Available with Speech Processor which among other things can:
  - Make alarm calls on telephone and describe in prober words the cause of the alarm.
  - By pressing one key on the keyboard you can have status and alarm description, if any, in clear speech.

Alarms

- Alarm for high and low temperature.

- The alarm can be triggered if temperature changes more than allowed. Comparisons are continuosly made 10 minuts back.

- Local alarm (siren) and function for alarm calls can be activated individually on each input.

- The initiating of alarm calls can be set to be delayed from 1 to 9 minutes.

- Lightning/transient protection.

- Filter for short (insignificant) alarms.

- You can avoid unwanted alarms in hot weather by entering a *summer increace* = number of degrees Celcius by which the indoor temperature is allowed to exceed the outdoor temperature.

Safety

- Alarm for defects - short circuits and broken cables - at all inputs.

- Alarm at too low voltage in power supply.

- Temperature sensors and keyboard housing are IP 65.

- Possibility for automatic test of accumulator every day at 0800 hrs.

Communication

RS232 and RS485 interface are integrated. Communication opens up for many possibility which you will soon appreciate.

- Communication with computer for presentation of diagrams of the temperature. Remote control - for example setting of alarm limits and toggle active/idle mode of each input. This can also be done through telephone by means of a modem.

- By means of a Speech Processor inquiries and operation can also be done through telephone.

Expansion Possibilities

- Can be expanded by more units connected in network.

- Temperature ranging from -40° to +40°C and from -40° to +120°C.

- Supervision of O_2 and pH-value.

Expansion by an ALARM-UNIT serving 8 ON/OFF inputs and 4 outputs.