WATCH™ temperature control system

WATCH™ is a complete monitoring/control system for heaters. It consists of a series of heaters connected to a central unit. Each heater is equipped with a PID controlled module which is set by the central unit from an external computer. Our unique design together with the WATCH™ controlling mechanisms provide homogenous and reliable heating, with extremely low heat losses. The system is also adapted for clean rooms.

- **PID controller for each heater**
- **Adjustable temp and alarm setpoints**
- **Monitor and setup from PC**
- **RS232, Ethernet, Bluetooth or USB computer interface**
- **Low power consumption**
- **Easy installation**
- **Clean room compatible**

WATCH™ is our distributed temperature control system. It measures each jacket's temperature through a thermocouple and controls all jackets individually. It is possible to connect up to 60 control points to each communication channel.

Very easy to install when you just plug the connectors on each jacket (Daisy chain). The temperature can be controlled with PID algorithms or on/off. All parameters are individually settable.

The system comes with software which displays the actual temperature and alarms. From the PC it´s easy to add nodes and administrate the jackets. The gateway also has a relay closing or opening contact when there is an alarm.

Includes a control cabinet IP54 with main switch and a gateway for controlling the nodes as well as RCD a main switch.

Technical information:

Voltage:	48-230VAC
Power/node:	Max 3A
Power:	700W/node
Max current:	3 x 16A
RCD:	30mA type A
ICSU:	IP20
Size:	75x60x40 mm
Weight:	110 g
Communication:	LED display, RS232
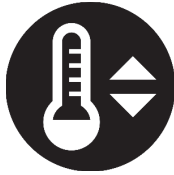
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Watch software

The software accompanying WATCH runs on Windows. It allows change of individual temperature and alarm setpoints. Specific information of every heater jacket, such as power rating, is also available. All data is periodically updated and is presented according to user settings.

The central unit can be connected to a PC through an Ethernet network or directly using RS232. It is possible to connect more than one unit to one or more computers.

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