

---

# ALL 3000 INTERNET THERMOMETER

---

## User Manual

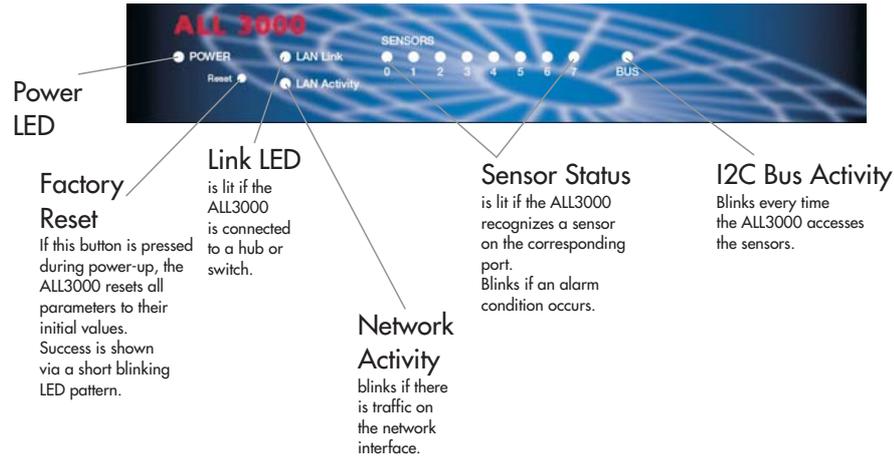


# ALL 3000 INTERNET THERMOMETER

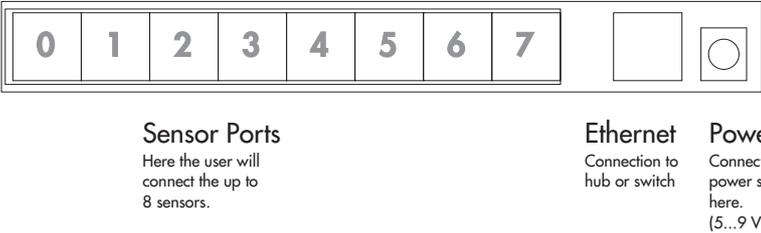
## Package Contents

- ALL 3000 Internet Thermometer
- ALL 3005 Sensor with 1 m cable
- external power supply
- Manual

### Front Panel



### Rear View



---

## ALL 3000 INTERNET THERMOMETER

---

### Setup

Connect the ALL3000 to your network switch or hub via a standard 1:1 cable.  
Now insert the sensor cables to their respective jacks and hook up the power supply.

The power LED shall light up immediately, and after a short period of time the network link led will light up, too.

Some seconds later, all the LEDs that belong to the sensors will light up.

### First Steps

The ALL3000 comes pr-set to IP address 192.168.20.1.

If you are in the same subnet, you can immediately access it. If not, please set up a computer so that it can access this network address.

(If you do not know how to do this, consult your network administrator for help)

By means of the command line tool "PING 192.168.20.2" you can verify that your computer is able to reach the ALL3000 via the IP network.

If yes, then open any web browser (MS IE Version 6+, Netscape Version 7+) and go to the URL: <http://192.168.20.1>

Now, you should see the main page with a display of all sensors:



At the bottom of that page, you will notice 2 hyperlinks:

"Temperature" and "Configuration".

Click at "Configuration" to enter the main config menu.

---

## ALL 3000 INTERNET THERMOMETER

---



This menu allows you to access all necessary settings. You might probably begin with changing the IP address, netmask and gateway to suit your specific needs.

### Parameters: Overview and Description

#### Device Name

Name for that specific ALL3000 unit. This device name is also used for the XML output and with the Server Push via UDP to identify the data source.  
Default: "ALL 3000"

#### History Interval

Time in second that the javascript program at the main page waits, before it moves the sensor data in the graphical display and updates with new values.  
Default: 1 Sekunde

#### Username:Password

If your application demands that only authorized persons are allowed to access the sensor data, you can require the user to enter a user name and password. Name and password have to be separated by a colon ":".  
Example: Username: "Superuser", Password: "secret", then you have to set "Superuser:secret" as value for this variable.  
The User is asked for the password by his browser.  
If no Password is required, just leave this variable blank.  
Default: "" (blank)

---

## ALL 3000 INTERNET THERMOMETER

---

### **IP Address**

The address, which is assigned to the ALL3000 to identify it in the IP network..

Default: 192.168.20.1

### **use DHCP:**

If you want the ALL3000 to get its network address and other settings from your DHCP server, mark this checkbox.

It is possible that the IP address assigned by the DHCP server changes - ask your network administrator.

Default: Deactivated

### **Netmask**

These numbers are a bit mask that tells which subnets are to be treated as local.

Ask your network administrator to get the correct values.

Default: 255.255.255.0

### **Gateway**

This is the address of the gateway server the ALL3000 shall use if it wants to connect to any non-local IP addresses.

Ask your network administrator to get the correct values.

Default: 192.168.20.100

### **SMTP Server IP Address**

IP address of the SMTP server that shall be used by the ALL3000 to send emails.

The server has to accept SMTP connections without prior authentication.

Ask your network administrator to get the correct values.

Default: 192.168.20.100

---

## ALL 3000 INTERNET THERMOMETER

---

### **Send Mail to**

Notification emails from the ALL3000 are sent to this address.

Please enter the address of the person here, who shall receive those emails.

Default: "<alert@allnet.de>"

### **Email Subject Line**

This line is used in all emails from the ALL 3000 as "Subject".

It is always the same, so the receiver can use automatic filter rules in his email program to take appropriate actions.

Default: "Email vom Thermometer"

### **IP Address UDP Target**

If "UPD Server Push" is activated, the ALL3000 sensor data is automatically sent to this address in fixed time intervals.

By using the address 255.255.255.255 the data is broadcasted to all available computers in the network.

Default: 192.168.20.172

### **UDP Port Nummer**

The Port number for UDP that you want to use for sending data.

Default: 12345

### **Time Interval Seconds**

Number of seconds between 2 UDP datagrams.

A value of "0" deactivates this function.

Default: 0 (Deactivated)

---

## ALL 3000 INTERNET THERMOMETER

---

### **Temperature Scale**

Here the user can select the data representation unit for the web display. Available are Deg. Centigrade, Deg. Fahrenheit and Kelvin.  
Default: Deg. C

### **Zoom**

Tells the web interface to either show the full sensor range (-55...+125 Deg. C), or "Zoom" out the interesting part between the minimum and maximum temperature, So the user can recognize small changes in temperature much easier.  
Defaultt: Activated

### **Sensors 0...3 and 4...7**

These pages allow the user to set names for the individual sensors, as well as configure the minimum and maximum allowed temperature values. All values here have to be given in Deg. C. For technical reasons, the ALL3000 must split these settings into two separate pages.  
Default: "0"..."7", -55, +125 Deg. C

### **Hysteresis**

Area around the alert tresholds that does not flip the alert/no-alert value, to avoid large amounts of annoying alert emails if the temperature floats around some alert treshold.  
Defaultt: 1 Deg. C

### **Boot Mail**

Sends an email notification every time the ALL3000 is restarting. So the user or manager software can detect power outages.  
Default: Deactivated

### **Continously send Data**

Sends the sensor data even if there is no alert condition, just in an user-configurable time interval.  
Default: Deactivated

---

## ALL 3000 INTERNET THERMOMETER

---

### **Send Email if an Alarm occurs**

Sends an email notification if one or more of the user-defined alarm conditions happen.  
Default: Deactivated

### **Email Interval**

Time interval between consecutive emails if the user has activated automatic emails.  
Default: 10 minutes

---

## **XML**

For easy and simple further automatic processing, all the data from the ALL3000 is available at an XML data page:

URL: <http://<ALL3000 IP Address>/xml>

---

## **Factory Reset**

If for any reason you can no longer access the ALL3000 (wrong network configuration, forgotten password etc.), you can set all ALL3000 parameters back to the factory values. To do this, you have to press the button with a small object like a piece of wire, and then plug in the power supply.

The ALL3000 will acknowledge this with a short blinking LED pattern.

**WARNING:** All changes you made to the configuration will be lost !