AlarmManager-PRO on Paessler PRTG

1. About this howTo

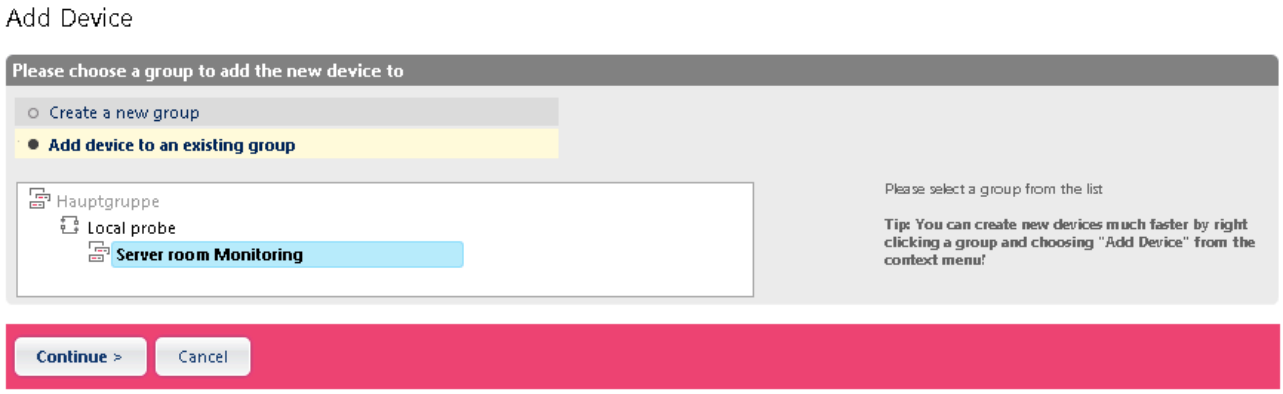
This document describes in short steps, how to setup Paessler‘s PRTG for monitoring Kentix AlarmManager-PRO with connected MultiSensors and use the AlarmManager as SMS-Gateway for sending alarms to mobile phones.

2. Initial Setup

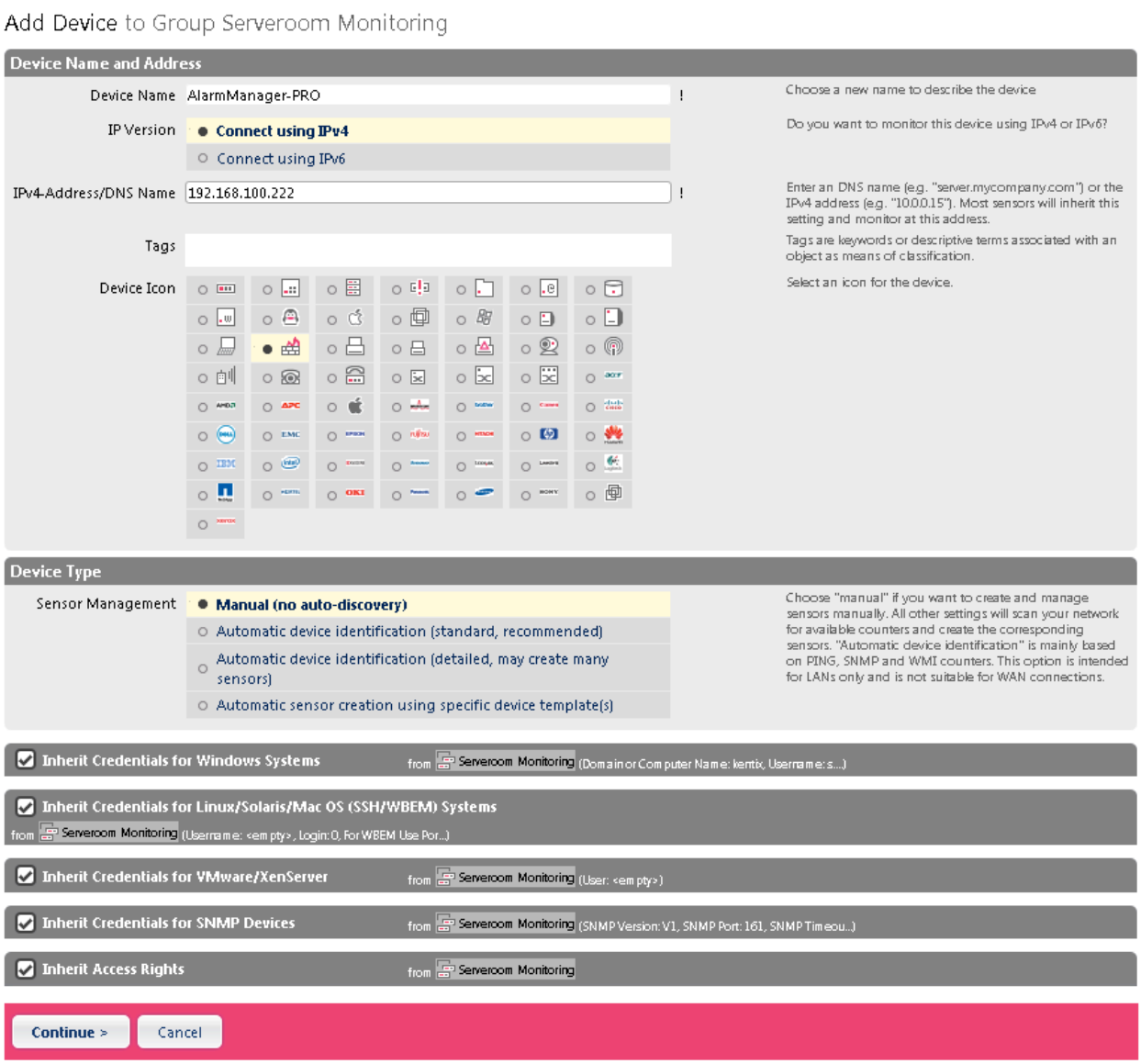
1. Download and install the PRTG Software.
2. Download the Kentix MIB file archive from the Kentix Website.
3. Take the file **kampro.oidlib** of this archive and copy it into the **snmplibs** folder of the PRTG install directory.
4. Start and login to the PRTG Network Monitor (if not already running).

3. Adding Kentix AlarmManager

1. In the main menu select **Add group** and create a new group e.g. „Server room Monitoring“
2. Open main menu again and select **Add device**.
3. Select the created group „Server room Monitoring“ and continue.

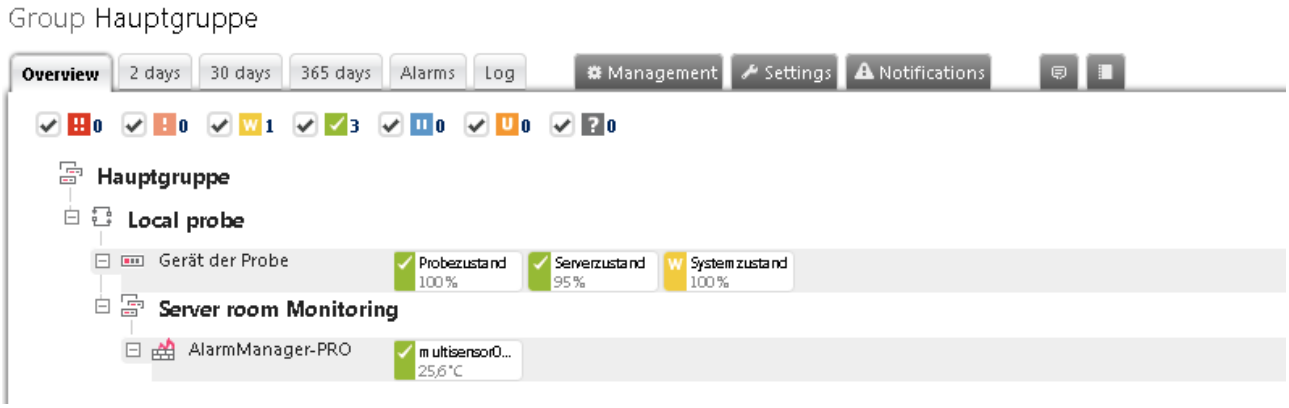


4. Enter a name for the AlarmManager and select a suitable icon.
   Enter the IP-address of the AlarmManager and continue.

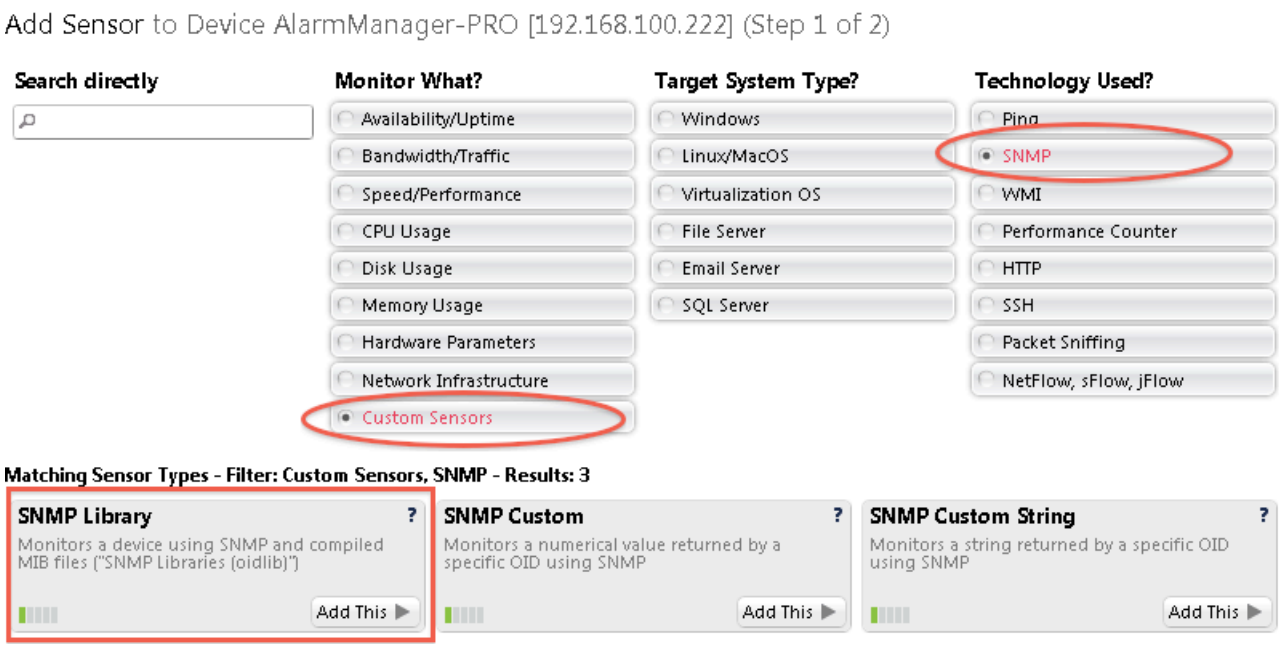


4. Adding sensors to the AlarmManager

1. Open **Devices** in the main menu and select **Group view**
2. Click **Add Sensor** next to your added AlarmManager

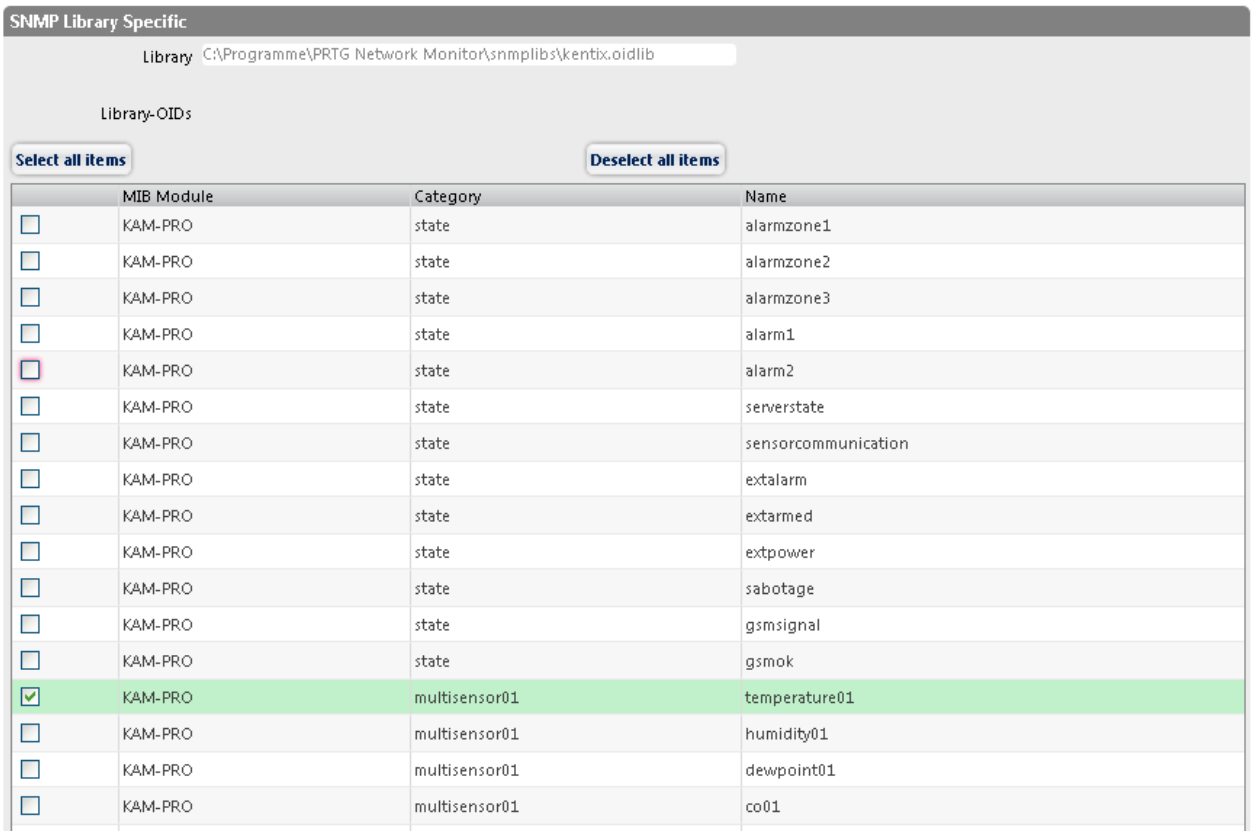


3. Select **Custom Sensors** and **SNMP** as filters and then click on **SNMP Library** down left.



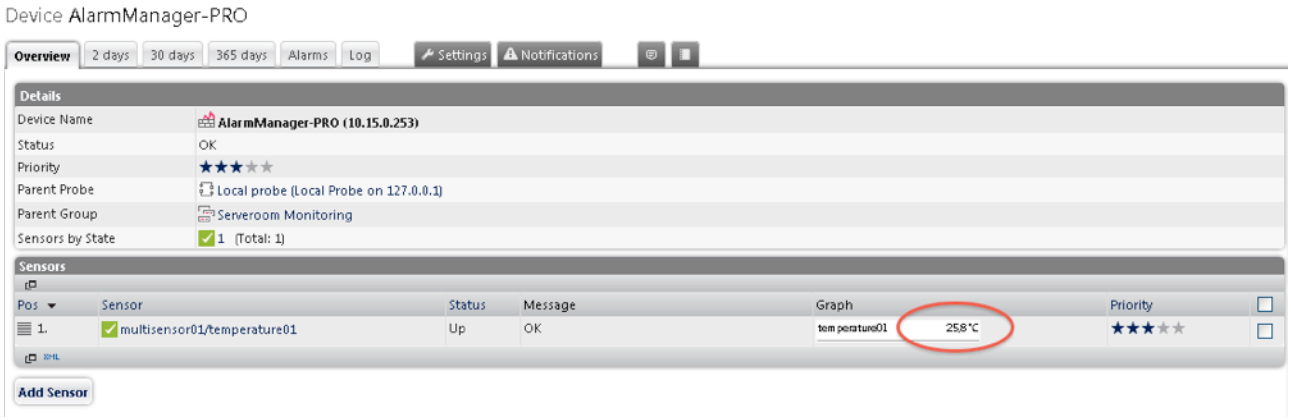
4. Select the library-file **kampro.oidlib** and press OK.

5. A list of all possible values will be displayed. Select every value you wish to be monitored here.
   Scroll down for more sensors, servers or I/O-ports.
   For a first test select **temperature01** from the first MultiSensor and continue.



	MIB Module	Category	Name
☐	KAM-PRO	state	alarmzone1
☐	KAM-PRO	state	alarmzone2
☐	KAM-PRO	state	alarmzone3
☐	KAM-PRO	state	alarm1
☐	KAM-PRO	state	alarm2
☐	KAM-PRO	state	serverstate
☐	KAM-PRO	state	sensorcommunication
☐	KAM-PRO	state	extalarm
☐	KAM-PRO	state	extarmed
☐	KAM-PRO	state	extpower
☐	KAM-PRO	state	sabotage
☐	KAM-PRO	state	gsmsignal
☐	KAM-PRO	state	gsmok
☑	KAM-PRO	multisensor01	temperature01
☐	KAM-PRO	multisensor01	humidity01
☐	KAM-PRO	multisensor01	dewpoint01
☐	KAM-PRO	multisensor01	co01

6. After a short moment (default poll-time is set to 60 seconds) the added sensor will show the requested value.



5. Configuring notification via AlarmManager‘s SMS Gateway

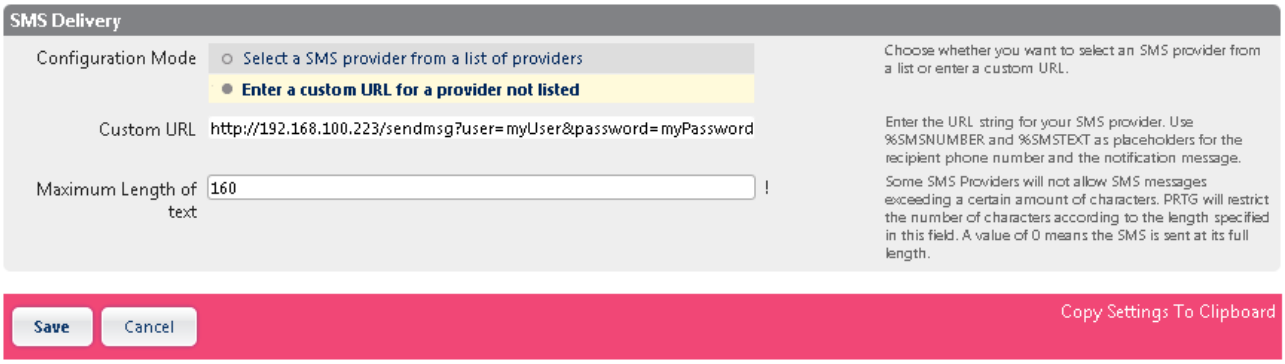
1. In the main menu select **Setup I System Administration I Notification Delivery.**
2. Scroll down to **SMS Delivery** Section.
3. As **Configuration Mode** select „Enter a custom URL for a provider not listed“.
4. Enter a custom URL in the following format:

http://**AlarmManager-IP**/sendmsg?user=**myUser**&password=**myPassword**&to=%SMSNUMBER&text=%SMSTEXT

- Replace **AlarmManager-IP** by the AlarmManagers IP address
- Replace **myUser** by a username configured in the AlarmManager.
- Replace **myPassword** by the password for your AlarmManager web interface
  The user needs a configured Web User Password to be able to send SMS.
- Note: PRTG will replace %SMSNUMBER and %SMSTEXT automatically.

5. In the **Maximum Length of Text** field, enter zero (**0**) to not limit the length of text messages (the AlarmManager will limit the message to 400 characters, though), or enter another value, so PRTG will cut off text messages before they're forwarded (e.g. **160** to only send single text messages without concatenation, discarding the remaining characters).

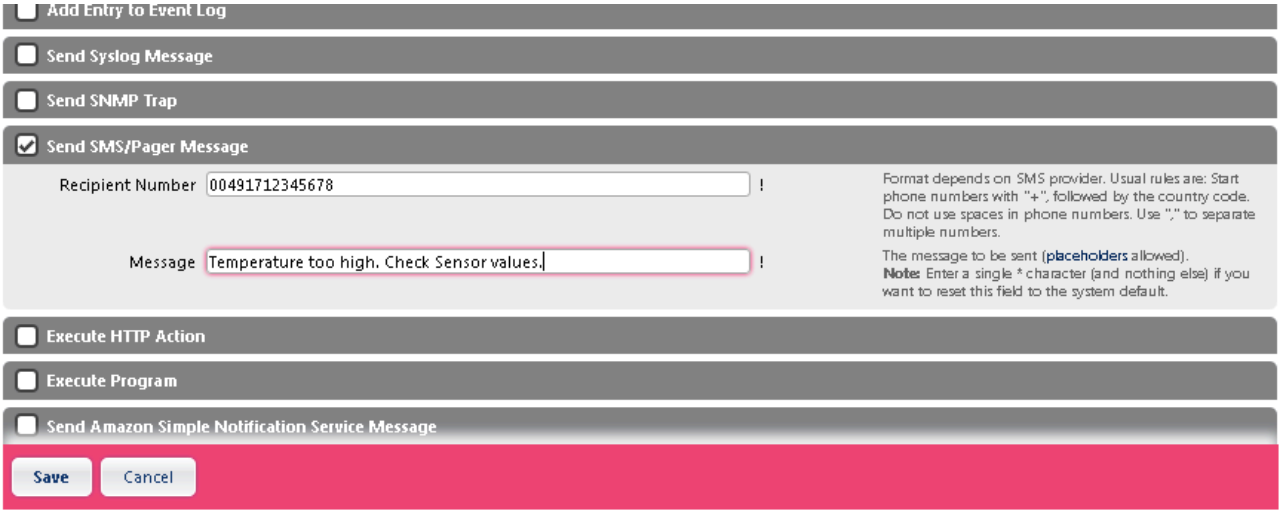
6. **Save** your settings



7. In the main menu select **Setup I Account Settings I Notifications**. Click on Add new notification:

Activate the **Send SMS/Pager Message** section.

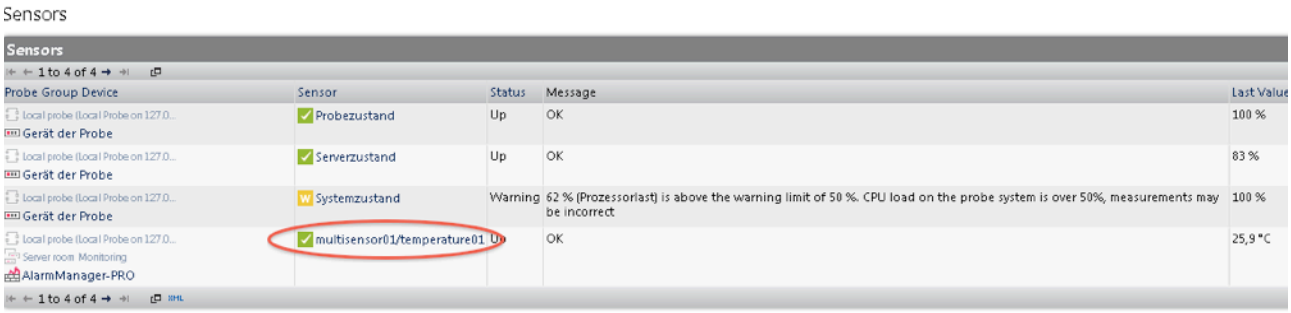
In the **Recipient Number** field, enter the number the SMS text message will be sent to.
Do not enter the number with a leading plus sign, but enter it either in local format without country designation, or use an international format without plus sign (e.g. with leading **00** for European countries).
Enter a text as message notification and press **save.**



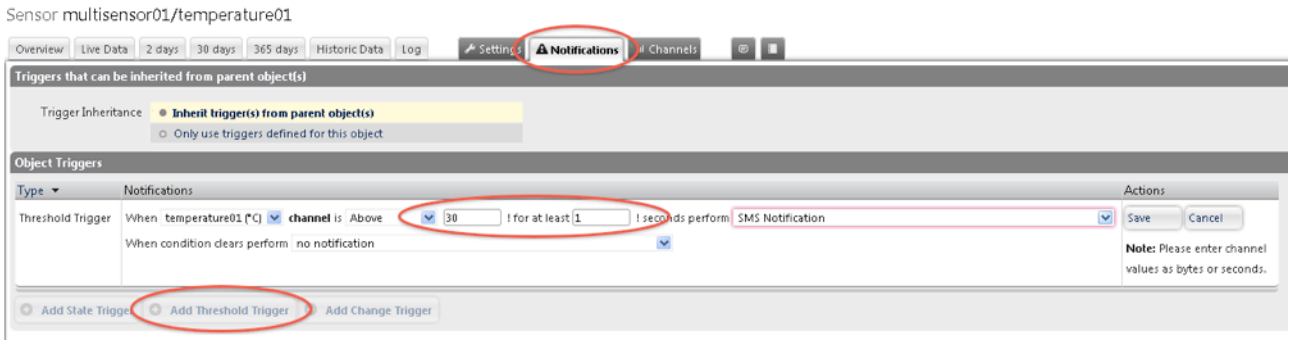
8. You can test your notification by opening **Notifications** under **Setup I Accounts Settings**. Find your new notification and click the **Test** link.
   PRTG will send an http call to the AlarmManager containing the text entered in the message field.
   You can check a successful sending in the PRTG Log Menu and also in the AlarmManagers Log file list.

6. Activating SMS sending for a sensor value alarm

1. In the main menu select **Sensors I All** and click on the sensor for temperature monitoring.



2. Open the **Notifications** tab, enter a maximum temperature value for the alarming and set a minimum time how long this value has to be exceeded to send a notification.
   Choose the notification type on the right and press save.



3. Test your notification by setting the maximum temperature below room temperature. You can check the send state of your notification in the PRTG Log and also the logbook of the Kentix AlarmManager.