

RMS ALARMING



Rotronic Monitoring System alarm protocols were set up to ensure that critical alarms cannot be missed. Notifications can be triggered based upon the risk level

Four levels of alarming are available, activation is based on the defined risk:

- Reminder for events that are non-urgent:
 - Low battery (device)
 - Simulator connected (measuring point)
 - Reminder that a calibration is due
 - Data gap after downloading missing measured values
- Warning for measured values that are out of limit (measuring point)
- Alarming for measured values that are out of limit (measuring point)
- Error for urgent hardware errors:
 - Device timeout (device)
 - Sensor error (measuring point)

An overview of the alarms can be seen once the user has logged into the system. The user only sees the alarms relevant to their granted access rights. Each measuring point, if not conforming (green), will be attributed a different colour based upon the alarm status:

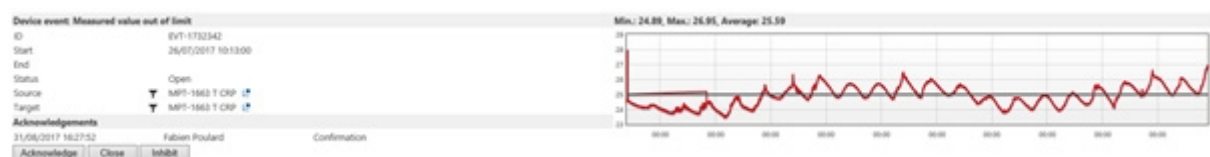
● 1389 Reminders ● 2 Warnings ● 3 Alarms ● 127 Error **James Pickering / ROTRONIC Demo-Cloud** ▼

Critical alarms can also be set up with a warning before alarms are activated. Hysteresis and a delay can be set up for the warning, with upper and lower limits defined, as well as for the alarming.

Warning	<input checked="" type="checkbox"/> Enabled
Lower limit	20
Upper limit	26
Hysteresis	0.5
Delay	0 [min]
Alarm	<input checked="" type="checkbox"/> Enabled
Lower limit	18
Upper limit	30
Hysteresis	0.5
Delay	0 [min]

All alarms are clearly shown in the audit trail indicating the unique ID for the event, the time and date of the alarm, information about what the alarm is, the target (the measuring point or device) as well as additional details.

Viewing the audit trail, it is easily possible to see if an alarm has been either acknowledged, or if it has ended. If an alarm is acknowledged, the time, date, name of the user who acknowledged the alarm as well as the alarm details are also saved and visible within the audit trail.



Within the audit trail, it is also possible to close or inhibit an alarm.

Alarms can be set up based upon either the measuring point, or via an alarm scheme. For alarms based upon the measuring point the choice of options is limited. Within an alarm scheme the user has the possibility to set a condition such as an active time as well as a warning. An action can be configured in both situations.

The various alarms can be notified in different ways and can be sent to just one or multiple users.


- E-Mail
- SMS*
- Telephone call*
- Switch relay
- Send data via TCP


*The user's telephone number must be added to the system.

E-Mail alarm: When setting the system up with a TCP/IP based camera, a snap-shot can be added to the E-Mail with a chart (either as a PDF or included in the body of the E-Mail).

Antworten Allen antworten Weiterleiten

Tue 24/10/2017 13:20

 Rotronic Monitoring System <rms@rotronic.com>
[Inhibited 15min] RMS Warning: MPT-2157, °C #842, Measured value out of limit

An  Pickering James

Event

ID: EVT-3211225
Level: Warning
Start: 24.10.2017 13:19:01
Name: Measured value out of limit

Measuring point

ID: MPT-2157
Name: °C #842
Unit: Temperature
Group: Cold Storage

Device

Serial number: 24020842
Name: RMS-MLOG-T10-868 #842
Position: Cold Storage

Details

Measured: 23.65°C
Limit: 8.00°C

Acknowledgements

24.10.2017 13:19:58 James Pickering *Inhibited by telephone [15 min]*

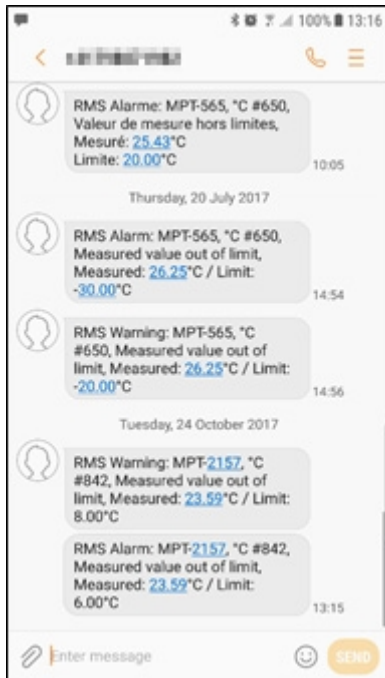
Acknowledge alarm

[Desktop link](#)

Please do not reply to this e-mail as it is generated automatically

Rotronic Monitoring System RMS
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V1.1.1.17087

SMS alarm: The alarm will be sent out in the language in which the software is configured.



Telephone call: Within the system settings, the user can decide the information stated during the telephone call, from the device/measuring point ID to a measuring point comment. For the telephone call, if various users are selected, the system will call the first user on the list and continue through the list. Only when one user inhibits the alarm via the telephone will calling stop. The inhibition time from the telephone call is also set up within the system settings.

Switch relay: If a device with a relay is included in the system, then with the alarm scheme, it is possible to trigger that alarm to action either a visual or audible alarm, or another type.

Send data via TCP: Data can be transmitted to a TCP/IP device to switch a device to either On or Off.

It is also possible to set up IF-THEN scripts to trigger actions on the basis of one or more defined pre-conditions.