





























## InnonTeltonikaSms

This module is an alarm service and recipient which is configurable to send an API request to a Teltonika router for an SMS to be sent out to a specified user's mobile number. Available as a 2 hour demo, requires a station restart to reset the 2 hour demo.

### Property Sheet

#### innonTeltonikaSmsService (Innon Teltonika Sms Service)

 Status	<input data-bbox="635 539 914 568" type="text" value="{ok}"/>
 Fault Cause	<input data-bbox="635 584 1190 613" type="text" value=""/>
 Enabled	<input checked="" type="radio"/> true 
 Monitor	Basic Ping Monitor
 Max Queue Size	<input data-bbox="635 719 834 748" type="text" value="100"/> [1 - 1000]
 Queue Size	<input data-bbox="635 763 834 792" type="text" value="0"/>
 Process Queue Interval	<input data-bbox="635 808 834 837" type="text" value="000000h 00m 02s"/>  [1 second - 5 minutes]
 Message Expiry Minutes	<input data-bbox="635 853 834 882" type="text" value="30"/> [1 - max]
 Max Connection Retries	<input data-bbox="635 898 834 927" type="text" value="3"/> [0 - 10]
 Max Sendable Per Day	<input data-bbox="635 943 834 972" type="text" value="500"/> [1 - 5000]
 Sms Sent Today	<input data-bbox="635 987 834 1016" type="text" value="0"/>
 Teltonika Base Url	<input data-bbox="635 1032 1190 1061" type="text" value="https://192.168.1.1"/>
 Teltonika Api User	<input data-bbox="635 1077 1190 1106" type="text" value="admin"/>
 Teltonika Api Password	<input data-bbox="635 1122 1190 1151" type="text" value="password"/>
 Token	<input data-bbox="635 1167 1190 1196" type="text" value=""/>
 System	System Info
 Cellular	Cellular Info
 Last Api Response	<div data-bbox="635 1301 1190 1559"></div>
 Last Http Response Code	<input data-bbox="635 1570 834 1599" type="text" value="0"/>
 Last Api Response Time	<input data-bbox="635 1615 719 1644" type="text" value="null"/>
 Failed Sms	<input data-bbox="635 1659 834 1688" type="text" value="0"/>
 Modem	<input data-bbox="635 1704 1190 1733" type="text" value="1-1"/>
 Api Connection Timeout	<input data-bbox="635 1749 834 1778" type="text" value="300"/> s
 Sms Inter Message Delay	<input data-bbox="635 1794 834 1823" type="text" value="2000"/> ms
 Enable Watchdog	<input checked="" type="radio"/> true 

## Service Description

Property	Value	Description
<b>Time Range, Start Time</b>	hours:minutes:seconds	Specifies when to begin reporting alarms.
<b>Time Range, End Time</b>	hours:minutes:seconds	Specifies when to end reporting alarms.
<b>Days of Week</b>	check boxes	Limits alarm reporting to a specific day or selected days of the week.
<b>Transitions</b>	check boxes	Selects which alarm conditions to report.
<b>Route Acks</b>	true (default) or false	Enables (true) and disables (false) the routing of alarm acknowledgements to the recipient. The framework does not route trap (event notification) acknowledgements if you select false.
<b>Status</b>	read-only	<p>Read-only field. Indicates the condition of the component at last polling.</p> <ul style="list-style-type: none"><li>• {ok} indicates that the component is polling successfully.</li><li>• {down} indicates that polling is unsuccessful, perhaps because of an incorrect property.</li><li>• {disabled} indicates that the Enable property is set to false.</li><li>• fault indicates another problem.</li></ul>
<b>Fault Cause</b>	read-only	Indicates the reason why a system object (network, device, component, extension, etc.) is not working (in fault). This property is empty unless a fault exists.
<b>Enabled</b>	Enabled (default), Disabled	Enables and disables the recipient.
<b>Monitor</b>	additional properties	See sms-BasicPingMonitor
<b>Max Queue Size</b>	numeric [1-1000]	Maximum number of SMS' added to queue
<b>Queue Size</b>	read-only	Number of SMS' in queue currently
<b>Process Queue Interval</b>	hours:minutes:seconds	Time between messages
<b>Message Expiry Minutes</b>	numeric	Defines how long a message stays in the queue for before failing to send
<b>Max Connections Retry</b>	numeric [0-10]	Maximum number of ping retries to re-establish connection to the router before going into fault
<b>Max Sendable Per Day</b>	numeric [1-5000]	Maximum SMS' sent each day (resets at midnight)
<b>Sms Sent Today</b>	read-only	Number of SMS' sent that day (resets at midnight)
<b>Teltonika Base URL</b>	url	Defines the client's url address and parameters.
<b>Teltonika Api User</b>	text	Defines the user to login to the Teltonika.
<b>Teltonika Api Password</b>	text	Defines the password to login to the Teltonika.

<b>Token</b>	read-only	The token from the router
<b>System</b>	read-only	Information about the system (Model, Serial No and Firmware Version)
<b>Cellular</b>	read-only	Details on the status of the cellular network (Modem Status, Operator State, Sim State, Signal and Router Status)
<b>Last Api Response</b>	read-only	JSON payload from the last API response
<b>Last Http Response Code</b>	read-only	Last response code from the router
<b>Last Api Response Time</b>	read-only	Time of the last response from the router
<b>Failed Sms</b>	read-only	Number of SMS' that have failed to send (prompts fault status)
<b>Modem</b>	string (Default 1-1)	Assigned modem from Teltonika
<b>Api Connection Timeout</b>	seconds	Timeout for the API connection to/from the router
<b>Sms Inter Message Delay</b>	milli-seconds	Delay between each SMS message being sent
<b>Enable Debug Logging</b>	true or false (Default)	Watchdog and debugging enabled (prompts fault status upon failed SMS')

### Actions

Action	Description
<b>Ping</b>	Pings the router on the defined base URL
<b>Login</b>	Logs into the router using the defined user/pass
<b>Modem Check</b>	Checking the assigned modem from Teltonika (default is 1-1)
<b>Poll Sys Info</b>	Polls the routers system information
<b>Cleanup Sms Queues</b>	Clears any SMS queues within the service
<b>Reset Failed Sms</b>	Resets all stored failed SMS'
<b>Process Queue</b>	Processes the queue of SMS'
<b>Reset Sms Sent Today</b>	Resets the count of SMS' sent that day (resets at midnight)

Property Sheet

innonTeltonikaAlarmReceipient

(Innon Teltonika Alarm Recip)

Time Range

12:00 AM - 12:00 AM

Days Of Week

☒ Sun
☒ Mon
☒ Tue
☒ Wed
☒ Thu
☒ Fri
☒ Sat

Transitions

☒ toOffnormal
☒ toFault
☒ toNormal
☒ toAlert

Route Acks

☒ true

Enabled

☒ true

Sms Recipient Number

Alarm Message Template

ALARM:

Timestamp: %alarmTimeStamp%

Source: %alarmSource%

Class: %alarmClass%

State: %alarmState%

Ack: %ackState%

Priority: %alarmPriority%

Message: %alarmEventMessage%

?

Normal Message Template

NORMAL:

Timestamp: %alarmTimeStamp%

Source: %alarmSource%

Class: %alarmClass%

State: %alarmState%

Ack: %ackState%

Priority: %alarmPriority%

Message: %alarmEventMessage%

?

## Recipient Description

Property	Value	Description
Time Range, Start Time	hours:minutes:seconds	Specifies time range for reporting alarms.
Days of Week	check boxes	Limits alarm reporting to a specific day or selected days of the week.
Transitions	check boxes	Selects which alarm conditions to report.
Route Acks	true (default) or false	
Enabled	Enabled (default), Disabled	Enables and disables the recipient.
Sms Recipient Number	phone number	Phone number of the recipient the router will send the SMS to.
Alarm Message Template	string	Template of how the alarm message will be formatted and sent

## Actions

Action	Description
Route Alarm	Routes the alarms for the recipient
Send Test SMS	Prompts to send a test SMS to a defined phone number

**Technical notes:**

- We recommend only sending SMS' to recipients that are required, as the more recipients you send SMS' to, the more load you put on your system and service. The service is configurable to try and mitigate this but it's worth considering if there needs to be recipients for all SMS' or whether it could be broken down into escalated tiers.
- If you reach your max sendable SMS' per day, the module won't send any more out. However if you have messages that are still queuing, it will queue them for the next day without going into fault.