

MODUL Energy Calculation of Watts eMail

(json/xml output, read only)



Values can only be read, it can NOT be switched!

Installable on devices of the V3 version from Patch Level 1053.

Description without Activated Basic authentication. If this is enable, you must pass the Authentication in URL.

(Basic Authentication: `http://USER:PASSWORD@192.168.0.100/xml/json.php`)

In this description is called Device IP is the IP address set in the factory state "192.168.0.100".

This must be replaced by the assigned address..

Call „<http://192.168.0.100/data/el/energy.php>“.

To use this script create first under „Functions - Virtual sensors“ a Energy Sensor (Calculation of Impulse counter, Calculation of watts). The corresponding record is automatically activated when creating („Functions - Recording“ tab „Energy recording“)

Parameter

„f={filename}“ The monthly recording file in the form e.g. 2017_02

"d={date}" (Start) date to build cumulative sensor values, Format JJJJ-MM-TT e.g. 2017-02-19

"t={date}" (optional) date up to which is to be Cumulatively

"callback={object}" (optional) Values are returned as JSONP object

"xml" (optional) Output is in XML format (By default, the output is in JSON format)

Note: The start (d) date and the to (t) Date must be within the selected file (f).
A month-spanning Evaluation is NOT possible!

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f & d

Command (URL) http://192.168.0.100/xml/energy.php?f=2017_02&d=2017-02-19

Explanation Accumulate all Energy recording sensors from file 2017_02.csv for day 19.02.2017

Response

```
{
  "113": {
    "name": "PV KWh",
    "value": 9.7785
  },
  "115": {
    "name": „Haus 1 Verbrauch“,
    "value": 261.864068
  },
  "116": {
    "name": „Haus 2 Verbrauch“,
    "value": 137.908765
  }
}
```

Internal Id of the sensor
Individually-assigned name
Accumulated value of the sensor

f & d

No data in the specified range

Command (URL) http://192.168.0.100/xml/energy.php?f=2017_02&d=2017-02-19

Explanation If no data in the specified range are found, the return value is output with "null".

Response

```
{
  "113": {
    "name": "PV KWh",
    "value": 9.7785
  },
  "115": {
    "name": „Haus 1 Verbrauch“,
    "value": 261.864068
  },
  "116": {
    "name": „Haus 2 Verbrauch“,
    "value": 137.908765
  }
}
```

Internal Id of the sensor
Individually-assigned name
Accumulated value of the sensor

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f & d & t

Command (URL)	http://192.168.0.100/xml/energy.php? f=2017_01&d=2017-01-01&t=2017-01-15	
Explanation	Accumulate all Energy recording sensors from file 2017_02.csv for from day 01.01.2017 to day 15.01.2017	
Response	<pre>{ "113": { "name": "PV KWh", "value": 27.4822 }, "115": { "name": „Haus 1 Verbrauch“, "value": 425.978446 }, "116": { "name": „Haus 2 Verbrauch“, "value": 231.023916 } }</pre>	<p>Internal Id of the sensor Individually-assigned name Accumulated value of the sensor</p>

xml

Command (URL)	http://192.168.0.100/xml/energy.php? f=2017_02&d=2017-02-19&xml	
Explanation	by appending the parameter &xml output change to XML format	
Response	<pre><result> <sensor> <id>113</id> <name>PV KWh</name> <value>9.7785</value> </sensor> <sensor> <id>115</id> <name>L1-L3 Verbrauch</name> <value>261.864068</value> </sensor> <sensor> <id>116</id> <name>L4-L6 Verbrauch</name> <value>137.908765</value> </sensor> </result></pre>	<p>Interne Id des Sensors Individuell vergebener Name Kumulierter Wert des Sensors</p>

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callback

Command (URL) [http://192.168.0.100/xml/energy.php?
f=2017_02&d=2017-02-19&callback=demo](http://192.168.0.100/xml/energy.php?f=2017_02&d=2017-02-19&callback=demo)

Explanation *(optional)*
can be set to get back the data as a JSONP object. *(ineffective in the XML output mode).*

Response

```
demo({  
  "113": {  
    "name": "PV KWh",  
    "value": 9.7785  
  },  
  "115": {  
    "name": "L1-L3 Verbrauch",  
    "value": 261.864068  
  },  
  "116": {  
    "name": "L4-L6 Verbrauch",  
    "value": 137.908765  
  }  
})
```

Errorcode	Description
1	Missing Arguments
10	File not found.
11	Wrong date format

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