ALLNET JSON
(json output, read only)

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

Available on devices of the V3 version from patch level 1008 and V2 versions from patch level 1001.

Special features of the V2 generation devices

The devices ALL3690, ALL3691, ALL3075V2 partial did not have no numerical sensor ID's

ALL4076 with connected temperature or temperature / humidity sensor the following query
mode=all&id={1/2}
returns only the actuator values!

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/xml/json.php".

Parameter

"mode={all} {sensor} {actor} {info} {infomin}"
"id={id}" (*optional*) Number or name of the read out sensor / actuator
"callback={objekt}" (*optional*) Values are returned as JSONP object
"simple" (*optional*) Reduced output only useful in mode=all,sensor,actor

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all

Command (URL) `http://192.168.0.100/xml/json.php?mode=all`

Explanation Return all sensors / actuators including info and Values

Response

```
[{
    "id": "1",
    "name": "Intern",                    Individually-assigned name
    "description": "Temperatursensor",   Description
    "error": "0",                        0=Ok,or errorcode (last site)
    "value": "37.68",                    Current value
    "connection": {                      ***
        "bus": "65",                     Bus number (i2c)
        "group": "0",                    Port is in group
        "multiplexer":"7"                ****
        "port": "0"                      Port number on the device
    },
   "config": {
        "icon": null,                    Name of the store's Icon (deprecated)
        "display": {
            "min": "-55",                setter Min, Max
            "max": "150"                 Range of the sensor
        },
        "limit": {
            "min": "-49.5",              Individually set
            "max": "135"                 Min, Max Limits
        }
    },
    "info": {
        "activ": "1",                    Sensor is Displayed
        "bitaddress": "0",               *** Multi-sensor output Id
        "chipaddress": "1",              *** I2C Address of the component
        "chipid": "2",                   *** Unique ID of the sensor type
        "chipnumber": "6",               *** Id of the component
        "enabled": "1",                  Sensor is read
        "helperchipaddress": "0",        *** additional info
        "helperchipnumber": "0",         *** chipnumber for auxiliary
        "unit": "°C",                    Unit of the sensor
        "type": "1"                      Type of Sensor
    },                                   1=Sensor, 2=Actuator
    "minmax": {
        "today": {
            "min": "20.00",              Today's minimum measured value
            "max": "44.00"               Today's maximum measured value
        },
        "absolute": {
            "min": "19.75",              as before, only values since the
            "max": "58.37"               beginning of the measurement
        }                                respectively last reset
    }
}]
```

***) Output is only Indicated for devices from version 3.02.1014 / 1015 Description, see last page

****) Output is only Displayed when the sensor / actuator is connected to a multiplexer.

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sensor	
Command (URL)	http://192.168.0.100/xml/json.php?mode=sensor
Explanation	Returns all sensors back together with info and values

Response	[{
	"id": "1",
	"name": "Intern",
	"description": „Temperatursensor",
	"error": 0,
	"value": "37.68",
	"connection": {
	"bus": "65",
	"group": "0",
	"port": "0"
	},
	"config": {
	"icon": null,
	"display": {
	"min": "-55",
	"max": "150"
	},
	"limit": {
	"min": "-49.5",
	"max": "135"
	}
	},
	"info": {
	"activ": "1",
	"bitaddress": "0",
	"chipaddress": "1",
	"chipid": "2",
	"chipnumber": "6",
	"enabled": "1",
	"helperchipaddress": "0",
	"helperchipnumber": "0",
	"unit": "°C",
	"type": "1"
	},
	"minmax": {
	"today": {
	"min": "20.00",
	"max": "44.00"
	},
	"absolute": {
	"min": "19.75",
	"max": "58.37"
	}
	}
	}]

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ALLNET JSON
(json output, read only)

info

Command (URL) http://192.168.0.100/xml?mode=info

Explanation Returns an detailed information about the device

Response


```
{
    "devicetype": "ALL3418",
   .“devicename": "ALL3418_Demo",
    "network": {
        "mode": "static",
        "ipaddress": "192.168.1.34",
        "netmask": "255.255.0.0",
        "gateway": "192.168.1.1",
        "dns1": "192.168.1.1",
        "dns2": "8.8.8.8"
    },
    "mac": {
        "eth2": "00:0F:C9:0B:B8:BA",
        "ra0": "00:0F:C9:0B:B8:B9"
    },
    "uptime": "08:40:31 up  1:00",
    "system_rfc": "Wed, 13 Nov 2013 08:40:31 +0100",
    "softversion": "3.02.1007",
    "revision": "0.02",
    "memory": {
        "total": "60804 kB",
        "free": "38304 kB",
        "used": "22500 kB",
        "system": "12.86 MB"
    }
}
```


infomin

Command (URL) http://192.168.0.100/xml?mode=infomin

Explanation Returns a Minimal info about the device

Response


```
{
    "devicetype": "ALL3418",
    “devicename": "ALL3418_Demo",
    "softversion": "3.02",
    "patchlevel": "1007",
    "revision": "0.02"
}
```


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ALLNET JSON
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id	
Command (URL)	http://192.168.0.100/xml?mode=sensor&id=101
Explanation	(*optional*) Only functional in the modes: all, sensor, actor with these parameters, the output can be limited to a sensor / actuator. Returns only the info and values of the requested ID.

Response	[{
	"id": "101",
	"name": "Temperatur",
	"description": „Temperatursensor",
	"error": 0,
	"value": "22.12",
	"connection": {
	"bus": "65",
	"group": "0",
	"port": "0"
	},
	"config": {
	"icon": null,
	"display": {
	"min": "-40",
	"max": "128"
	},
	"limit": {
	"min": "-36",
	"max": "115.2"
	}
	},
	"info": {
	"activ": "1",
	"bitaddress": "0",
	"chipaddress": "1",
	"chipid": "2",
	"chipnumber": "6",
	"enabled": "1",
	"helperchipaddress": "0",
	"helperchipnumber": "0",
	"unit": "°C",
	"type": "1"
	},
	"minmax": {
	"today": {
	"min": "11.92",
	"max": "28.64"
	},
	"absolute": {
	"min": "12.02",
	"max": "35.10"
	}
	}
	}]

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ALLNET JSON
(json output, read only)

callback	
Command (URL)	http://192.168.0.100/xml?mode=sensor&id=101&callback=demo
Explanation	(*optional*) can be set to get back the data as a JSONP object.

Response	demo([{
	"id": "101",
	"name": "Temperatur",
	"description": „Temperatursensor",
	"error": 0,
	"value": "22.16",
	"connection": {
	"bus": "65",
	"group": "0",
	"port": "0"
	},
	"config": {
	"icon": null,
	"display": {
	"min": "-40",
	"max": "128"
	},
	"limit": {
	"min": "-36",
	"max": "115.2"
	}
	},
	"info": {
	"activ": "1",
	"bitaddress": "0",
	"chipaddress": "1",
	"chipnumber": "6",
	"chipid": "2",
	"enabled": "1",
	"helperchipaddress": "0",
	"helperchipnumber": "0",
	"unit": "°C",
	"type": "1"
	},
	"minmax": {
	"today": {
	"min": "11.92",
	"max": "28.64"
	},
	"absolute": {
	"min": "12.02",
	"max": "35.10"
	}
	}
	}])

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simple	`only mode=all,sensor,actor`
Command (URL)	`http://192.168.0.100/xml/json.php?mode=all`
Explanation	(*optional*) Reduced output only absolutely necessary data.
Response	[{ "error": 0, "id": "101", "name": "Temperatur", "type": "1", "unit": "°C", "value": "31.25" }]

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`bitaddress`:

When a sensor / actuator has several outputs and inputs, then we can distinguish hereby the outputs.
(count always starts at 0, e.g. ALL4027 0...7)

`chipaddress`:

The I2C address of the electronic module that controls this sensor.

`chipid`:

Unique identification number that describes what type of sensor it is.

`chipnumber`:

ID, which describes the electronic module.

`helperchipaddress`:

If an additional component for additional functions required in a sensor.
e.g. in ALL4590 for selection of the individual phases, so here is the I2C address of this module specified.

`helperchipnumber`:

as chipnumber, only for the (sub-)component

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Errorcode	Description
777000	Collecting data...
777001	Sensor not initialized [sensor_shm_demon]
777002	No answer from chip [i2c_demon]
777003	could not read /proc/stat [i2c_demon]
777004	Could not find the first source sensor with a specified logical ID [i2c_demon]
777005	Could not find the second source sensor with a specified logical ID [i2c_demon]
777006	One of the source sensors is invalid [i2c_demon]
777007	Division by Zero [i2c_demon]
777008	Timeout: sensor provides invalid or no data [sensor_shm_demon]
777009	No answer from slave [all3075_demon]
777010	No answer or incorrect answer from the MRT machine [ct_demon]
777011	HTTP download address for the sensor could not be reached [rc_read_demon]
777012	HTTP command for the actuator returns nothing [rc_write_demon]
777013	Authentication needed!
777014	Sensor not found in the import file possibly was removed a sensor on the Imported device [rc_read_demon]
777015	Server response was not interpretable [rc_read_demon]
777994	Remote control functionality not activated!
777995	Error
777996	undefined error!
777997	given sensor is not a counter!
777998	Remote control disabled!
777999	Parameter error!

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