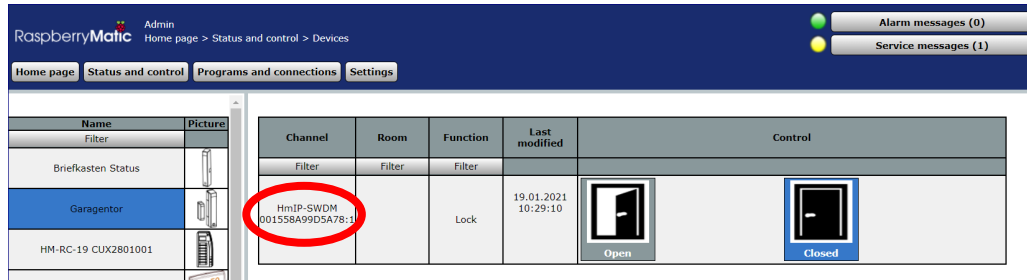


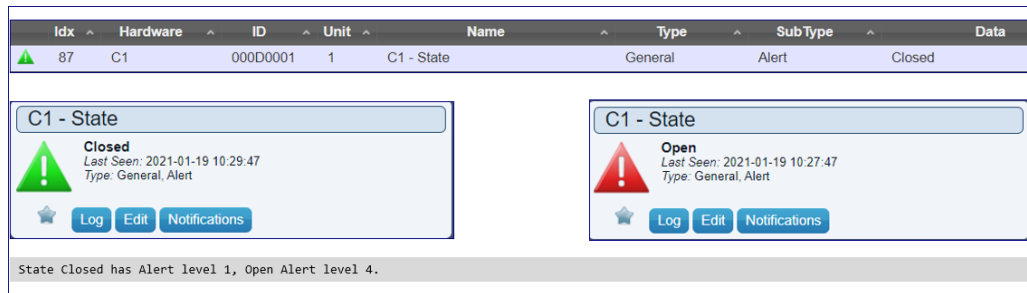
# HMIP-SWDM – Domoticz Plugin Overview



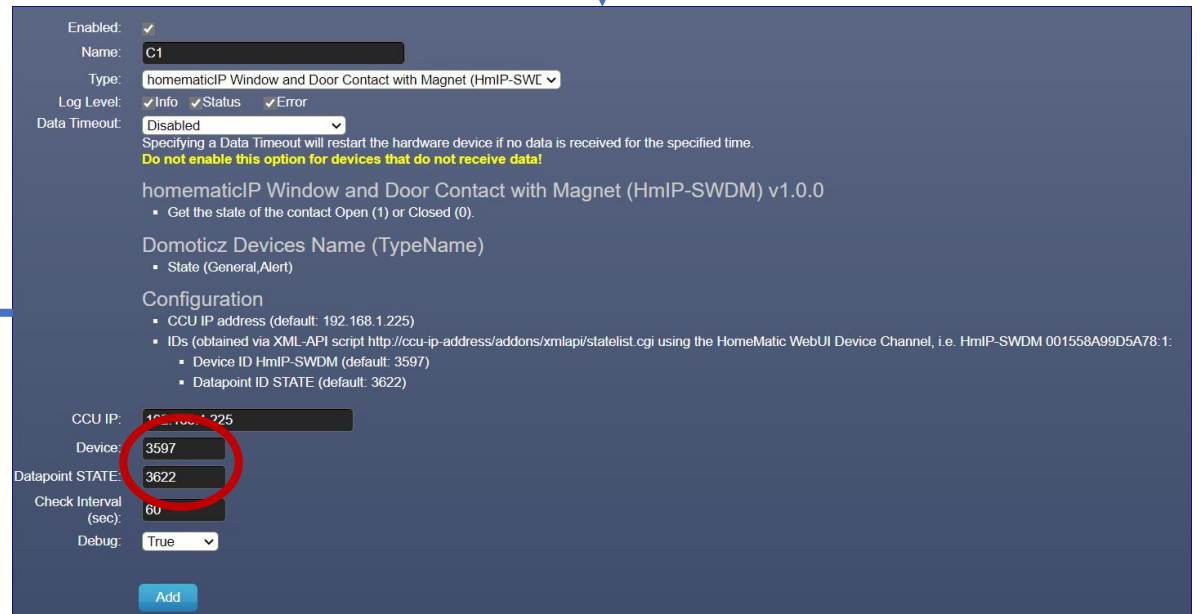
SWDM Device Garagentor with  
Channel State: HmIP-RF.001558A99D5A78:1.STATE

```
<state>
  <device name="Garagentor" ise_id="3597" unreachable="false" config_pending="false">
    <channel name="Garagentor" ise_id="3598">
      <datapoint name="HmIP-RF.001558A99D5A78:0.CONFIG_PENDING" type="CONFIG_PENDING" ise_id="3599" value="false" datatype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.DUTY_CYCLE" type="DUTY_CYCLE" ise_id="3603" value="false" datatype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.LOW_BAT" type="LOW_BAT" ise_id="3605" value="false" datatype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.OPERATING_VOLTAGE" type="OPERATING_VOLTAGE" ise_id="3609" value="2.800000" datatype="4" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.OPERATING_VOLTAGE_STATUS" type="OPERATING_VOLTAGE_STATUS" ise_id="3610" value="0" datatype="16" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.RSSI_DEVICE" type="RSSI_DEVICE" ise_id="3611" value="178" datatype="8" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.RSSI_PEER" type="RSSI_PEER" ise_id="3612" value="0" datatype="8" valueunit="" timestamp="0"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.UNREACH" type="UNREACH" ise_id="3613" value="false" datatype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.UPDATE_PENDING" type="UPDATE_PENDING" ise_id="3617" value="false" datatype="2" valueunit="" timestamp="1610968122"/>
    </channel>
    <channel name="HmIP-SWDM 001558A99D5A78:1" ise_id="3621">
      <datapoint name="HmIP-RF.001558A99D5A78:1.STATE" type="STATE" ise_id="3622" value="0" datatype="16" valueunit="" timestamp="1611044101"/>
    </channel>
  </device>
</state>
```

XML API Request to get device state for ise\_id=3597:  
[http://ccu-ip/addons/xmlapi/state.cgi?device\\_id=3597](http://ccu-ip/addons/xmlapi/state.cgi?device_id=3597)




Domoticz Hardware with Alert Device:  
Level 1 = Closed, Datapoint 3622 attribute value = "0"  
Level 4 = Open, Datapoint 3622 attribute value = "1"



Datapoints for Device 3597 & STATE 3622 to obtain value attribute "0" | "1"

# HMIP-SWDM – HomeMatic WebUI - Devices

 Admin  
Home page > Status and control > Devices

Alarm messages (0)




Service messages (1)



Home page

Status and control

Programs and connections

Settings

Name	Picture
Filter	
Briefkasten Status	
Garagentor	
HM-RC-19 CUX2801001	

Channel	Room	Function	Last modified	Control	
Filter	Filter	Filter			
HmIP-SWDM 001558A99D5A78:1		Lock	19.01.2021 10:29:10	 Open	 Closed

## HMIP-SWDM – Get the IDs for the Device and Datapoints (XML-API)

Get the devices state list: <http://ccu-ip-address/config/xmlapi/statelist.cgi>

Result is XML tree.

Select device HMIP-SWDM with serial number 001558A99D5A78, device id 3597 and the channel

- Channel 1 with datapoint id 3622 (STATE) – Name: HmIP-RF. 001558A99D5A78:1.STATE

The ids are used in the plugin configuration.

The type “STATE” is used with value “0” (Closed) or “1” (Open).

```
<state>
  <device name="Garagentor" ise_id="3597" unreach="false" config_pending="false">
    <channel name="Garagentor:0" ise_id="3598">
      <datapoint name="HmIP-RF.001558A99D5A78:0.CONFIG_PENDING" type="CONFIG_PENDING" ise_id="3599" value="false" valuetype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.DUTY_CYCLE" type="DUTY_CYCLE" ise_id="3603" value="false" valuetype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.LOW_BAT" type="LOW_BAT" ise_id="3605" value="false" valuetype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.OPERATING_VOLTAGE" type="OPERATING_VOLTAGE" ise_id="3609" value="2.800000" valuetype="4" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.OPERATING_VOLTAGE_STATUS" type="OPERATING_VOLTAGE_STATUS" ise_id="3610" value="0" valuetype="16" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.RSSI_DEVICE" type="RSSI_DEVICE" ise_id="3611" value="178" valuetype="8" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.RSSI_PEER" type="RSSI_PEER" ise_id="3612" value="0" valuetype="8" valueunit="" timestamp="0"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.UNREACH" type="UNREACH" ise_id="3613" value="false" valuetype="2" valueunit="" timestamp="1611044101"/>
      <datapoint name="HmIP-RF.001558A99D5A78:0.UPDATE_PENDING" type="UPDATE_PENDING" ise_id="3617" value="false" valuetype="2" valueunit="" timestamp="1610968122"/>
    </channel>
    <channel name="HmIP-SWDM 001558A99D5A78:1" ise_id="3621">
      <datapoint name="HmIP-RF.001558A99D5A78:1.STATE" type="STATE" ise_id="3622" value="0" valuetype="16" valueunit="" timestamp="1611044101"/>
    </channel>
    <channel name="HmIP-SWDM 001558A99D5A78:2" ise_id="3623"/>
  </device>
</state>
```

# HMIP-SWDM – Domoticz Add Hardware

Enabled: ☒

Name:

Type:

Log Level: ☒ Info ☒ Status ☒ Error

Data Timeout:

Specifying a Data Timeout will restart the hardware device if no data is received for the specified time.  
**Do not enable this option for devices that do not receive data!**

homematicIP Window and Door Contact with Magnet (HmIP-SWDM) v1.0.0

- Get the state of the contact Open (1) or Closed (0).

Domoticz Devices Name (TypeName)

- State (General,Alert)

Configuration

- CCU IP address (default: 192.168.1.225)
- IDs (obtained via XML-API script <http://ccu-ip-address/addons/xmlapi/statelist.cgi> using the HomeMatic WebUI Device Channel, i.e. HmIP-SWDM 001558A99D5A78:1:
  - Device ID HmIP-SWDM (default: CCU-IP)
  - Datapoint ID STATE (default: 3622)

CCU IP:

Device:

Datapoint STATE:  CCU-IP

Check Interval (sec):


Debug:

Notes: Set *Check Interval* as required, i.e. 30 seconds to get a faster response. Set *Debug* to false if plugin working ok.


# HMIP-SWDM – Domoticz Add Hardware Log


```
2021-01-19 10:25:36.952 Status: Python Plugin System: (C1) Started.
2021-01-19 10:25:37.208 (C1) Debug logging mask set to: PYTHON_PLUGIN_QUEUE_IMAGE_DEVICE_CONNECTION_MESSAGE_ALL
2021-01-19 10:25:37.208 (C1) 'HardwareID': '13'
2021-01-19 10:25:37.208 (C1) 'HomeFolder': '/home/pi/domoticz/plugins/hmip-swdm/'
2021-01-19 10:25:37.208 (C1) 'StartupFolder': '/home/pi/domoticz/'
2021-01-19 10:25:37.208 (C1) 'UserDataFolder': '/home/pi/domoticz/'
2021-01-19 10:25:37.208 (C1) 'Database': '/home/pi/domoticz/domoticz.db'
2021-01-19 10:25:37.208 (C1) 'Language': 'en'
2021-01-19 10:25:37.208 (C1) 'Version': '1.0.0 (Build 20210119)'
2021-01-19 10:25:37.208 (C1) 'Author': 'rwbL'
2021-01-19 10:25:37.208 (C1) 'Name': 'C1'
2021-01-19 10:25:37.208 (C1) 'Address': 'CCU-IP'
2021-01-19 10:25:37.208 (C1) 'Port': '0'
2021-01-19 10:25:37.208 (C1) 'Key': 'HmIP-SWDM'
2021-01-19 10:25:37.208 (C1) 'Mode1': '3597'
2021-01-19 10:25:37.208 (C1) 'Mode2': '3622'
2021-01-19 10:25:37.208 (C1) 'Mode5': '60'
2021-01-19 10:25:37.208 (C1) 'Mode6': 'Debug'
2021-01-19 10:25:37.208 (C1) 'DomoticzVersion': '2020.2 (build 12847)'
2021-01-19 10:25:37.208 (C1) 'DomoticzHash': '815e12372-modified'
2021-01-19 10:25:37.208 (C1) 'DomoticzBuildTime': '2021-01-16 14:57:39'
2021-01-19 10:25:37.208 (C1) Device count: 0
2021-01-19 10:25:37.208 (C1) Creating new devices ...
2021-01-19 10:25:37.208 (C1) Creating device 'State'.
2021-01-19 10:25:37.209 (C1 - State) Updating device from 0: '' to have values 1: 'Closed'.
2021-01-19 10:25:37.215 (C1) Device created: C1 - State
2021-01-19 10:25:37.215 (C1) Creating new devices: OK
2021-01-19 10:25:37.215 (C1) Heartbeat set: 60
2021-01-19 10:25:37.216 Python Plugin System: (C1) Pushing 'PollIntervalDirective' on to queue
2021-01-19 10:25:37.216 (C1) Datapoints: 3622
2021-01-19 10:25:37.216 (C1) Processing 'PollIntervalDirective' message
2021-01-19 10:25:37.216 Python Plugin System: (C1) Heartbeat interval set to: 60.
2021-01-19 10:25:37.207 Status: Python Plugin System: (C1) Entering work loop.
2021-01-19 10:25:37.207 Status: Python Plugin System: (C1) Initialized version 1.0.0 (Build 20210119), author 'rwbL'
```

## HMIP-SWDM – Domoticz Devices


	Idx ^	Hardware ^	ID ^	Unit ^	Name ^	Type ^	SubType ^	Data
	87	C1	000D0001	1	C1 - State	General	Alert	Closed


C1 - State

**Closed**  
*Last Seen: 2021-01-19 10:29:47*  
*Type: General, Alert*

 [Log](#) [Edit](#) [Notifications](#)

C1 - State

**Open**  
*Last Seen: 2021-01-19 10:27:47*  
*Type: General, Alert*

 [Log](#) [Edit](#) [Notifications](#)

State Closed has Alert level 1, Open Alert level 4.

# HMIP-SWDM – dzVents script with Notification Example

```
--[[
    alert_window-door-contact.dzvents
    Window-Door-Contact (homematicIP device HmIP-SWDM) Alert Example.
    Send notification if the level of the Alert device changes to 4 (RED).
]]--

local IDX_WINDOWDOORCONTACT = 87;    -- Type General, SubType Alert

local STATE_CLOSED = 1;              -- Alert level 1 GREEN
local STATE_OPEN = 4;                -- Alert level 4 RED

return {
    on = {
        devices = {
            IDX_WINDOWDOORCONTACT
        }
    },
    execute = function(domoticz, device)
        domoticz.log(('Device %s state changed to %s (%d).'):format(device.name, device.sValue, device.nValue), domoticz.LOG_INFO)
        if device.nValue == STATE_OPEN then
            -- Send notification via email
            local subject = ('SECURITY ALERT'):format()
            local message = ('Window-Door-Contact %s state changed to %s.'):format(device.name, device.sValue)
            domoticz.notify(subject, message, domoticz.PRIORITY_HIGH)
        end
    end
}
```