

# HMIP-THERMOSTAT – Domoticz Plugin Overview HmIP-eTRV-2

The screenshot shows the RaspberryMatic interface. On the left, a list of devices includes 'HmIP-RCV-50 HmIP-RCV-1', 'Remote Control', 'Schalt-Mess-Steckdose MakeLab', 'Thermostat Bad', 'Thermostat Dusche', 'Thermostat Esszimmer', 'Thermostat Flur', 'Thermostat MakeLab', and 'Thermostat Wohnzimmer-1'. The 'Thermostat MakeLab' is selected. On the right, a control panel for 'HmIP-eTRV-2 000A18A9A64DAC:1' is shown. It includes a table with columns: Channel, Room, Function, Last modified, and Control. The 'Control' column shows a temperature of 21.70°C, window status 'Closed', valve opening '24%', and a week profile. Below the table are buttons for 'Auto mode', 'Boost function', 'Manu mode', 'Holiday mode', and 'On/Off'.

Thermostat Device Thermostat MakeLab with Channel State:HmIP-eTRV-2 000A18A9A64DAC:1 Connection partner radiator thermostat (manual operation, transmitter)

The screenshot shows the Domoticz hardware list. It has columns: Idx, Hardware, ID, Unit, Name, Type, SubType, and Data. Two devices are listed: '78 Thermostat MakeLab' with ID '000D0001' and '1 TM - Setpoint', and 'MakeLab Temperature' with ID '21.7° C'. The 'MakeLab Setpoint' device is highlighted with a green circle, showing a value of '20.5° C'.

Domoticz Hardware with the two devices Thermostat and Setpoint

```
<?xml version="1.0"?>
<device name="Thermostat MakeLab" is_id="1541" is_index="2" is_visible="true" config_pending="false">
  <channel name="Thermostat MakeLab:0" is_id="1542" is_index="0" is_visible="true" operate="true">
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.CONFIG_PENDING" type="CONFIG_PENDING" is_id="1543" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.DUTY_CYCLE" type="DUTY_CYCLE" is_id="1547" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.LOW_BATT" type="LOW_BATT" is_id="1549" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.OPERATING_VOLTAGE" type="OPERATING_VOLTAGE" is_id="1553" value="3.100000" valueType="4" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.OPERATING_VOLTAGE_STATUS" type="OPERATING_VOLTAGE_STATUS" is_id="1554" value="0" valueType="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.RSSI_DEVICE" type="RSSI_DEVICE" is_id="1555" value="196" valueType="8" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.RSSI_PEER" type="RSSI_PEER" is_id="1556" value="189" valueType="8" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.UNREACH" type="UNREACH" is_id="1557" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:0.UPDATE_PENDING" type="UPDATE_PENDING" is_id="1561" value="false" valueType="2" valueunit="" timestamp="1610918491" operations="5"/>
  </channel>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:1" is_id="1565" is_index="1" is_visible="true" operate="true">
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.ACTIVE_PROFILE" type="ACTIVE_PROFILE" is_id="1566" value="1" valueType="16" valueunit="" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.ACTUAL_TEMPERATURE" type="ACTUAL_TEMPERATURE" is_id="1567" value="21.700000" valueType="4" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.ACTUAL_TEMPERATURE_STATUS" type="ACTUAL_TEMPERATURE_STATUS" is_id="1568" value="0" valueType="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.MODE" type="MODE" is_id="1569" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="6"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.BOOST_TIME" type="BOOST_TIME" is_id="1570" value="0" valueType="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.CONTROL_DIFFERENTIAL_TEMPERATURE" type="CONTROL_DIFFERENTIAL_TEMPERATURE" is_id="1571" value="0" valueType="4" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.CONTROL_MODE" type="CONTROL_MODE" is_id="1572" value="" valueType="16" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.DURATION_UNIT" type="DURATION_UNIT" is_id="1573" value="" valueType="16" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.DURATION_VALUE" type="DURATION_VALUE" is_id="1574" value="" valueType="16" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.FROST_PROTECTION" type="FROST_PROTECTION" is_id="1575" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.LEVEL" type="LEVEL" is_id="1576" value="0.240000" valueType="4" valueunit="" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.LEVEL_STATUS" type="LEVEL_STATUS" is_id="1577" value="0" valueType="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.PARTY_MODE" type="PARTY_MODE" is_id="1578" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.PARTY_SET_POINT_TEMPERATURE" type="PARTY_SET_POINT_TEMPERATURE" is_id="1579" value="0.000000" valueType="4" valueunit="" timestamp="0" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.PARTY_TIME_END" type="PARTY_TIME_END" is_id="1580" value="" valueType="20" valueunit="" timestamp="0" operations="7"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.PARTY_TIME_START" type="PARTY_TIME_START" is_id="1581" value="" valueType="20" valueunit="" timestamp="0" operations="7"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.QUIT_VETO_TIME" type="QUIT_VETO_TIME" is_id="1582" value="0" valueType="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.SET_POINT_MODE" type="SET_POINT_MODE" is_id="1583" value="0" valueType="16" valueunit="" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.SET_POINT_TEMPERATURE" type="SET_POINT_TEMPERATURE" is_id="1584" value="20.500000" valueType="4" valueunit="" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.SWITCH_POINT_OCCURED" type="SWITCH_POINT_OCCURED" is_id="1585" value="false" valueType="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.VALVE_ADAPTION" type="VALVE_ADAPTION" is_id="1586" value="false" valueType="2" valueunit="" timestamp="0" operations="7"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.VALVE_STATE" type="VALVE_STATE" is_id="1587" value="4" valueType="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF-000A18A9A64DAC:1.WINDOW_STATE" type="WINDOW_STATE" is_id="1588" value="0" valueType="16" valueunit="" timestamp="1611577548" operations="7"/>
  </channel>
</device>
```

XML API Request to get device state for is\_id=1541:  
[http://ccu-ip/addons/xmlapi/state.cgi?device\\_id=1541](http://ccu-ip/addons/xmlapi/state.cgi?device_id=1541)

The screenshot shows the Domoticz plugin configuration for 'Thermostat MakeLab'. The 'Name' field is 'Thermostat MakeLab'. The 'Type' is 'homematicIP Thermostat (HmIP-eTRV,eTRV-2,WTH-2)'. The 'Log Level' is 'Info'. The 'Data Timeout' is 'Disabled'. The 'homematicIP Thermostat (HmIP-eTRV,eTRV-2,WTH-2) v1.0.1' section lists supported features: 'Set the setpoint (degrees C)', 'Get the actual temperature (degrees C)', and 'Supported are the devices HmIP-eTRV,eTRV-2,WTH-2'. The 'Domoticz Devices (Type,SubType) [XML-API Device Datapoint Type]' section lists 'Setpoint (Thermostat,Setpoint) [SET\_POINT\_TEMPERATURE]' and 'Temperature (Temp,LaCrosse TX3) [ACTUAL\_TEMPERATURE]'. The 'Hardware Configuration' section lists 'CCU IP Address (default: 192.168.1.225)', 'Device ID (default: 1541, get via XML-API script http://ccu-ip-address/addons/xmlapi/statelst.cgi)', and 'Notes'. The 'CCU IP' is '192.168.1.225'. The 'Device ID' is '1541'. The 'Check Interval (sec)' is '60'. The 'Debug' is 'False'.

Add hardware with device id 1541

# HMIP-THERMOSTAT – HomeMatic WebUI – Device HMIP-eTRV-2

RaspberryMatic

Admin

Home page > Status and control > Devices

Alarm messages (0)

Service messages (0)

Home page

Status and control

Programs and connections

Settings

HmIP-RCV-50 HmIP-RCV-1

1 - 50

Remote Control

Schalt-Mess-Steckdose MakeLab

Thermostat Bad


Thermostat Dusche

Thermostat Esszimmer

Thermostat Flur

Thermostat MakeLab

Thermostat Wohnzimmer-1

Channel	Room	Function	Last modified	Control
Filter	Filter	Filter		
HmIP-eTRV-2 000A18A9A64DAC:1  Connection partner radiator thermostat (manual operation, transmitter)	MakeLab	Heating	25.01.2021 13:25:48	<div><div>Temperature 21.70°C</div><div>Window status: Closed</div><div>Valve opening 24%</div><div><div>5°C30°C</div><div><div>Auto mode</div><div>Manu mode</div><div>Boost function</div><div>Holiday mode</div><div>Week profile 1</div><div><div>20.5 °C</div><div>Off</div><div>On</div></div></div></div></div>

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

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

Select device name “Thermostat MakeLab” with device id 1541 and the channel HmIP-eTRV-2 000A18A9A64DAC:1.

The datapoints type ACTUAL\_TEMPERATURE and SET\_POINT\_TEMPERATURE are used.

```
<?xml version="1.0" encoding="UTF-8" ?>
<device name="Thermostat MakeLab" ise_id="1541" unreach="false" config_pending="false">
  <channel name="Thermostat MakeLab:0" ise_id="1542" index="0" visible="true" operate="true">
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.CONFIG_PENDING" type="CONFIG_PENDING" ise_id="1543" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.DUTY_CYCLE" type="DUTY_CYCLE" ise_id="1547" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.LOW_BAT" type="LOW_BAT" ise_id="1549" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.OPERATING_VOLTAGE" type="OPERATING_VOLTAGE" ise_id="1553" value="3.100000" valuetype="4" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.OPERATING_VOLTAGE_STATUS" type="OPERATING_VOLTAGE_STATUS" ise_id="1554" value="0" valuetype="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.RSSI_DEVICE" type="RSSI_DEVICE" ise_id="1555" value="196" valuetype="8" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.RSSI_PEER" type="RSSI_PEER" ise_id="1556" value="189" valuetype="8" valueunit="" timestamp="1611575703" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.UNREACH" type="UNREACH" ise_id="1557" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:0.UPDATE_PENDING" type="UPDATE_PENDING" ise_id="1561" value="false" valuetype="2" valueunit="" timestamp="1610918491" operations="5"/>
  </channel>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:1" ise_id="1565" index="1" visible="true" operate="true">
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.ACTIVE_PROFILE" type="ACTIVE_PROFILE" ise_id="1566" value="1" valuetype="16" valueunit="" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.ACTUAL_TEMPERATURE" type="ACTUAL_TEMPERATURE" ise_id="1567" value="21.700000" valuetype="4" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.ACTUAL_TEMPERATURE_STATUS" type="ACTUAL_TEMPERATURE_STATUS" ise_id="1568" value="0" valuetype="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.BOOST_MODE" type="BOOST_MODE" ise_id="1569" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="6"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.BOOST_TIME" type="BOOST_TIME" ise_id="1570" value="0" valuetype="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.CONTROL_DIFFERENTIAL_TEMPERATURE" type="CONTROL_DIFFERENTIAL_TEMPERATURE" ise_id="1571" value="" valuetype="4" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.CONTROL_MODE" type="CONTROL_MODE" ise_id="1572" value="" valuetype="16" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.DURATION_UNIT" type="DURATION_UNIT" ise_id="1573" value="" valuetype="16" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.DURATION_VALUE" type="DURATION_VALUE" ise_id="1574" value="" valuetype="16" valueunit="" timestamp="0" operations="2"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.FROST_PROTECTION" type="FROST_PROTECTION" ise_id="1575" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.LEVEL" type="LEVEL" ise_id="1576" value="0.240000" valuetype="4" valueunit="" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.LEVEL_STATUS" type="LEVEL_STATUS" ise_id="1577" value="0" valuetype="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.PARTY_MODE" type="PARTY_MODE" ise_id="1578" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.PARTY_SET_POINT_TEMPERATURE" type="PARTY_SET_POINT_TEMPERATURE" ise_id="1579" value="0.000000" valuetype="4" valueunit="" timestamp="0" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.PARTY_TIME_END" type="PARTY_TIME_END" ise_id="1580" value="" valuetype="20" valueunit="" timestamp="0" operations="7"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.PARTY_TIME_START" type="PARTY_TIME_START" ise_id="1581" value="" valuetype="20" valueunit="" timestamp="0" operations="7"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.QUICK_VETO_TIME" type="QUICK_VETO_TIME" ise_id="1582" value="0" valuetype="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.SET_POINT_MODE" type="SET_POINT_MODE" ise_id="1583" value="0" valuetype="16" valueunit="" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.SET_POINT_TEMPERATURE" type="SET_POINT_TEMPERATURE" ise_id="1584" value="20.500000" valuetype="4" valueunit="°C" timestamp="1611577548" operations="7"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.SWITCH_POINT_OCCURED" type="SWITCH_POINT_OCCURED" ise_id="1585" value="false" valuetype="2" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.VALVE_ADAPTION" type="VALVE_ADAPTION" ise_id="1586" value="false" valuetype="2" valueunit="" timestamp="0" operations="7"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.VALVE_STATE" type="VALVE_STATE" ise_id="1587" value="4" valuetype="16" valueunit="" timestamp="1611577548" operations="5"/>
    <datapoint name="HmIP-RF.000A18A9A64DAC:1.WINDOW_STATE" type="WINDOW_STATE" ise_id="1588" value="0" valuetype="16" valueunit="" timestamp="1611577548" operations="7"/>
  </channel>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:2" ise_id="1589" index="2" visible="true" operate="true"/>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:3" ise_id="1590" index="3" visible="true" operate="true"/>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:4" ise_id="1591" index="4" visible="true" operate="true"/>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:5" ise_id="1592" index="5" visible="true" operate="true"/>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:6" ise_id="1593" index="6" visible="true" operate="true"/>
  <channel name="HmIP-eTRV-2 000A18A9A64DAC:7" ise_id="1594" index="7" visible="true" operate="true"/>
</device>
```

# HMIP-THERMOSTAT – 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 Thermostat (HmIP-eTRV,eTRV-2,WTH-2) v1.0.1

- Set the setpoint (degrees C)
- Get the actual temperature (degrees C)
- Supported are the devices HmIP-eTRV,eTRV-2,WTH-2

**Domoticz Devices (Type,SubType) [XML-API Device Datapoint Type]**

- Setpoint (Thermostat,Setpoint) [SET\_POINT\_TEMPERATURE]
- Temperature (Temp,LaCrosse TX3) [ACTUAL\_TEMPERATURE]

**Hardware Configuration**

- CCU IP Address (default: - Device ID (default: 1541, get via XML-API script <http://ccu-ip-address/addons/xmlapi/statelist.cgi>)
- Notes
  - The setpoint ID is set after the first check interval.
  - After a configuration update, the setpoint is 0. Click the setpoint to set the value or wait for first check interval update.

CCU IP:

Device ID:


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-THERMOSTAT – Domoticz Devices


Idx ^	Hardware ^	ID ^	Unit ^	Name ^	Type ^	SubType ^	Data
 78	Thermostat MakeLab	000D0001	1	TM - Setpoint	Thermostat	SetPoint	20.5


**MakeLab Temperature** **21.7° C**

 Last Seen: 2021-01-25 13:44:37

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

**MakeLab Setpoint** **20.5° C**

 Last Seen: 2021-01-25 13:47:44  
Type: Thermostat, SetPoint

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