

Cooker hood Ciarko & Grenton

This tutorial presents the integration of cooker hood Cirako with Grenton

The presented configuration was performed on:

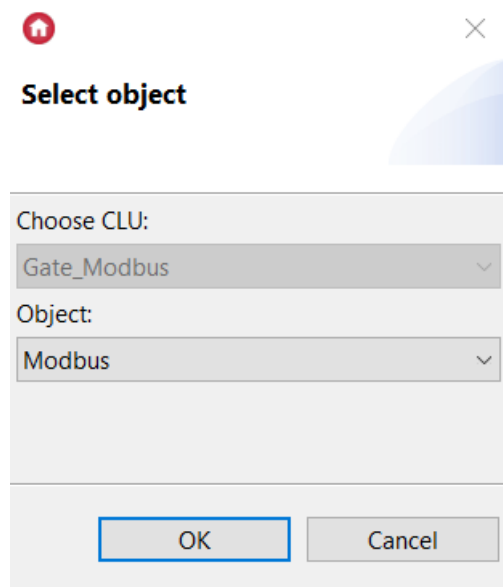
- Object Manager v.1.6.1 (build 221101),
- Gate Modbus 2.0 (FW v1.1.10 (build 2140)) called `Gate_Modbus`,
- Cooker hood Ciarko GT BOX

To integrate Grenton system with cooker hood Cirako, please follow the steps described below:

1. Airflow rate change

Preparing

- Create virtual object `Modbus`



- Enter the name of the object `FanSpeed` and complete embedded features



Object properties

Name: Type:

Id:

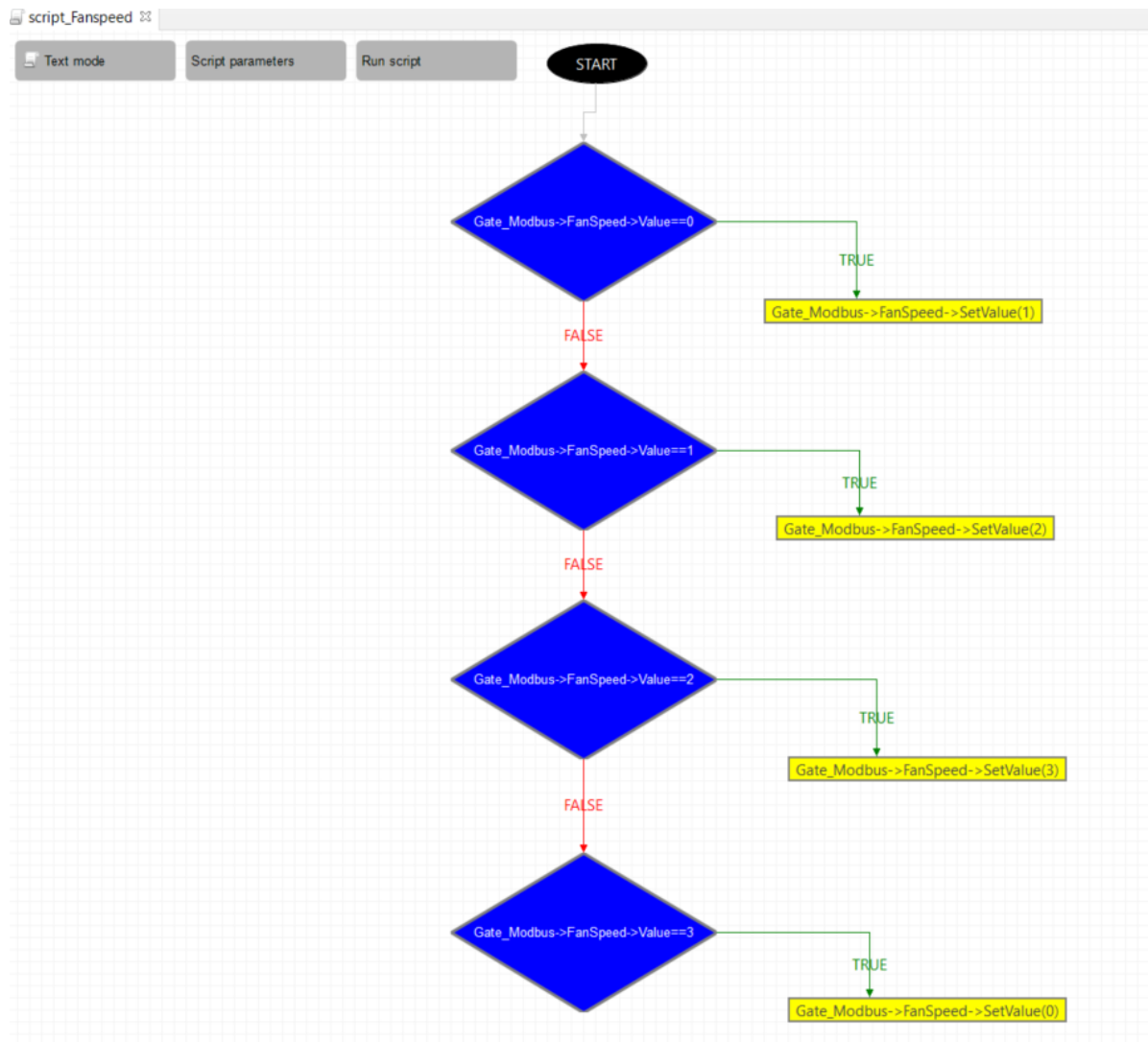
Control
 Events
 Embedded features

Feature name	Current value	Initial value	Unit	Range
DeviceAddress	64	<input type="text" value="64"/>	number	[0-255]
AccessRights	1	<input type="text" value="ReadWrite"/>	-	0,1
RegisterAddress	0	<input type="text" value="0"/>	number	[0-65535]
TransmissionSpeed	9600	<input type="text" value="9600"/>	bps	1200,2400,4800,9600,192
ValueType	1	<input type="text" value="Number"/>		1,2,3
BitPosition	0	<input type="text" value="0"/>	number	[0-15]
BitCount	16	<input type="text" value="16"/>	number	[1-32]
RefreshInterval	3000	<input type="text" value="3000"/>	number	[0-65535]
ResponseTimeout	2000	<input type="text" value="2000"/>	number	[10-65535]
Divisor	1	<input type="text" value="1"/>	number	[1-65535]
Endianess	0	<input type="text" value="NoSwap"/>	-	0,1,2,3
RegisterType	2	<input type="text" value="HoldingRegisters"/>	-	0,1,2,3
ErrorCode	0		number	
Value	0	<input type="text" value="0"/>	number	
RegisterValue	0		number	
StopBits	0	<input type="text" value="1"/>	-	0,1,2
Parity	0	<input type="text" value="None"/>	-	0,1,2

Auto refresh

```
DeviceAddress - 64
RegisterAddress - 0
```

- Create script `script_Fanspeed` which will allow you to change the speed of the windmill sequentially



text version:

```

if(Gate_Modbus->FanSpeed1->Value==0) then
Gate_Modbus->FanSpeed1->SetValue(1)
else
if(Gate_Modbus->FanSpeed1->Value==1) then
Gate_Modbus->FanSpeed1->SetValue(2)
else
if(Gate_Modbus->FanSpeed1->Value==2) then
Gate_Modbus->FanSpeed1->SetValue(3)
else
if(Gate_Modbus->FanSpeed1->Value==3) then
Gate_Modbus->FanSpeed1->SetValue(0)
end
end
end
end

```

- The script can be run in any way, such as a button in the TouchPanel

The screenshot shows the 'Object properties' dialog box for a button object. The fields are as follows:

- Name: Kitchen_BUTTON_02
- Device type: (empty dropdown)
- Id: CLU221001941->BUT8594
- Serial number: 260001245
- Type: BUTTON

Below the fields are tabs for 'Control', 'User schemes', 'Events', 'Embedded features', and 'Statistics'. The 'Events' tab is active, showing a table of event names and assigned commands:

Event name	Assigned commands	Add command
OnValueChanged		+
OnSwitchOn		+
OnSwitchOff		+
OnShortPress		+
OnLongPress		+
OnHold		+
OnClick	CLU->script_Light_On_Off()	Assign command ✕ +

Send the configuration to the Gate module

2. Lighting control

Preparing

- Create virtual object

The screenshot shows the 'Select object' dialog box. It has the following fields:

- Choose CLU: Gate_Modbus
- Object: Modbus

At the bottom, there are 'OK' and 'Cancel' buttons.

- Enter the name of the object `Light` and complete embedded features

Object properties

Name: Type:

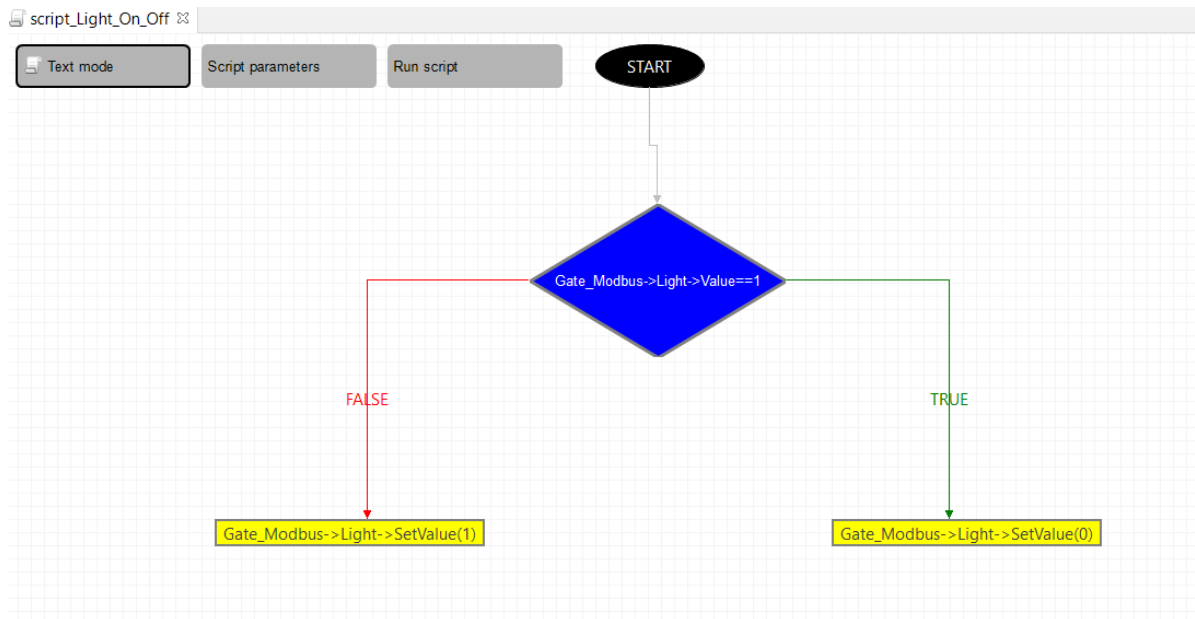
Id:

Control Events Embedded features

Feature name	Current value	Initial value	Unit	Range
DeviceAddress	64	<input type="text" value="64"/>	number	[0-255]
AccessRights	1	<input type="text" value="ReadWrite"/>	-	0,1
RegisterAddress	1	<input type="text" value="1"/>	number	[0-65535]
TransmissionSpeed	9600	<input type="text" value="9600"/>	bps	1200,2400,4800,9600,19200,38400,57600
ValueType	1	<input type="text" value="Number"/>	-	1,2,3
BitPosition	0	<input type="text" value="0"/>	number	[0-15]
BitCount	16	<input type="text" value="16"/>	number	[1-32]
RefreshInterval	3000	<input type="text" value="3000"/>	number	[0-65535]
ResponseTimeout	2000	<input type="text" value="2000"/>	number	[10-65535]
Divisor	1	<input type="text" value="1"/>	number	[1-65535]
Endianess	0	<input type="text" value="NoSwap"/>	-	0,1,2,3
RegisterType	2	<input type="text" value="HoldingRegisters"/>	-	0,1,2,3
ErrorCode	0	<input type="text" value=""/>	number	
Value	8	<input type="text" value="0"/>	number	
RegisterValue	8	<input type="text" value=""/>	number	
StopBits	0	<input type="text" value="1"/>	-	0,1,2
Parity	0	<input type="text" value="None"/>	-	0,1,2

```
DeviceAddress - 64
RegisterAddress - 1
```

- Create script `script_Light_n_Off` which will allow you to change the speed of the windmill sequentially



text version:

```
if (Gate_Modbus->Light->Value==1) then
Gate_Modbus->Light->SetValue (0)
else
Gate_Modbus->Light->SetValue (1)
end
```

- The script can be run in any way, such as a button in the TouchPanel

Object properties

Name: Device type:

Id: Serial number:

Type:

Event name	Assigned commands	Add command	
OnValueChanged		<input button"="" text"="" type="button" value="CLU->script_Light_On_Off()"/> <input type="button" value="Assign command"/> <input type="button" value="✖"/>	<input 122="" 434="" 635="" 652"="" data-label="Text" type="button" value="+</input></td></tr></tbody></table></div><div data-bbox="/> <p>Send the configuration to the Gate module</p>