

Node RED example Overview

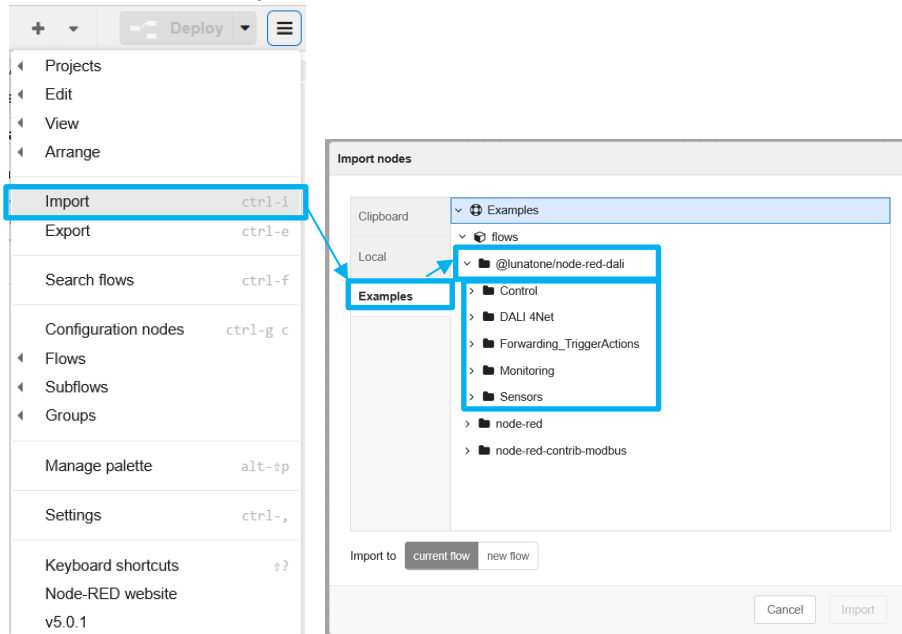
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1. Beispiele Importieren

Node RED Lunatone Beispiele sind verfügbar unter:

http://www.lunatone.at/projects/Display_and_IoT/IoT-Node-RED-examples.zip

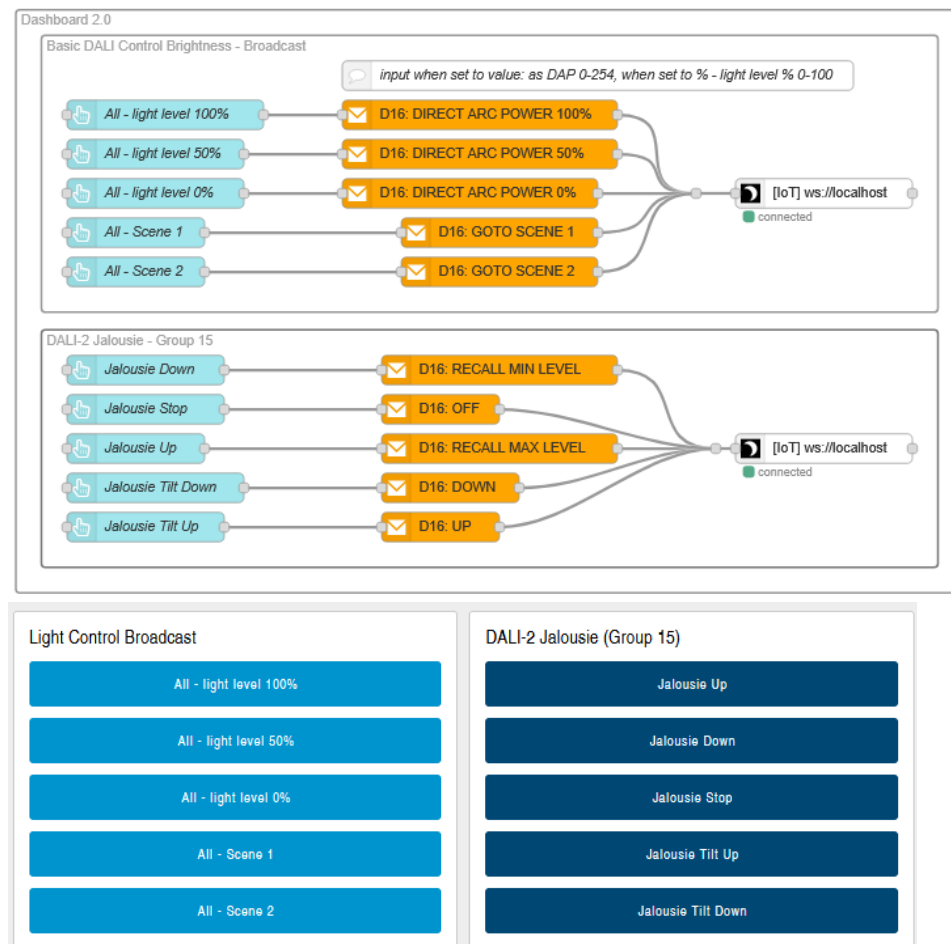
Oder direkt unter Import in Node RED:



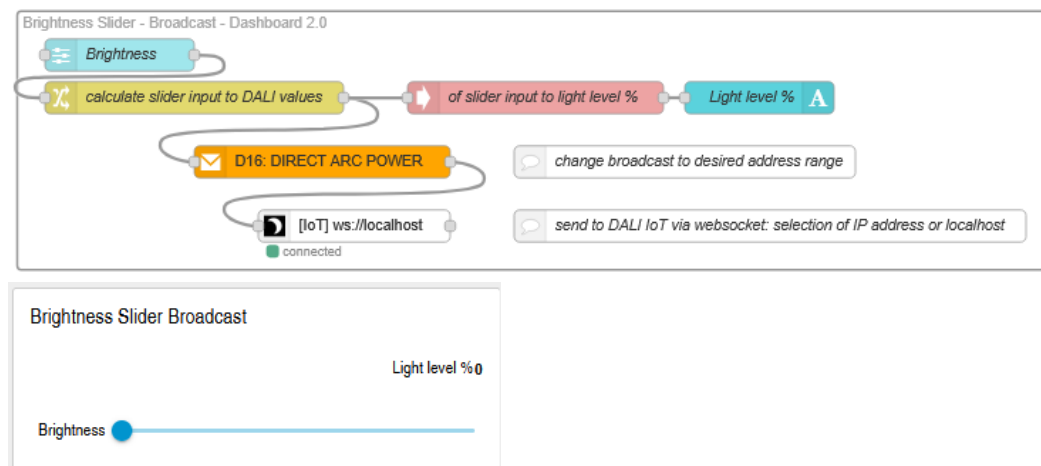
2. DALI Control



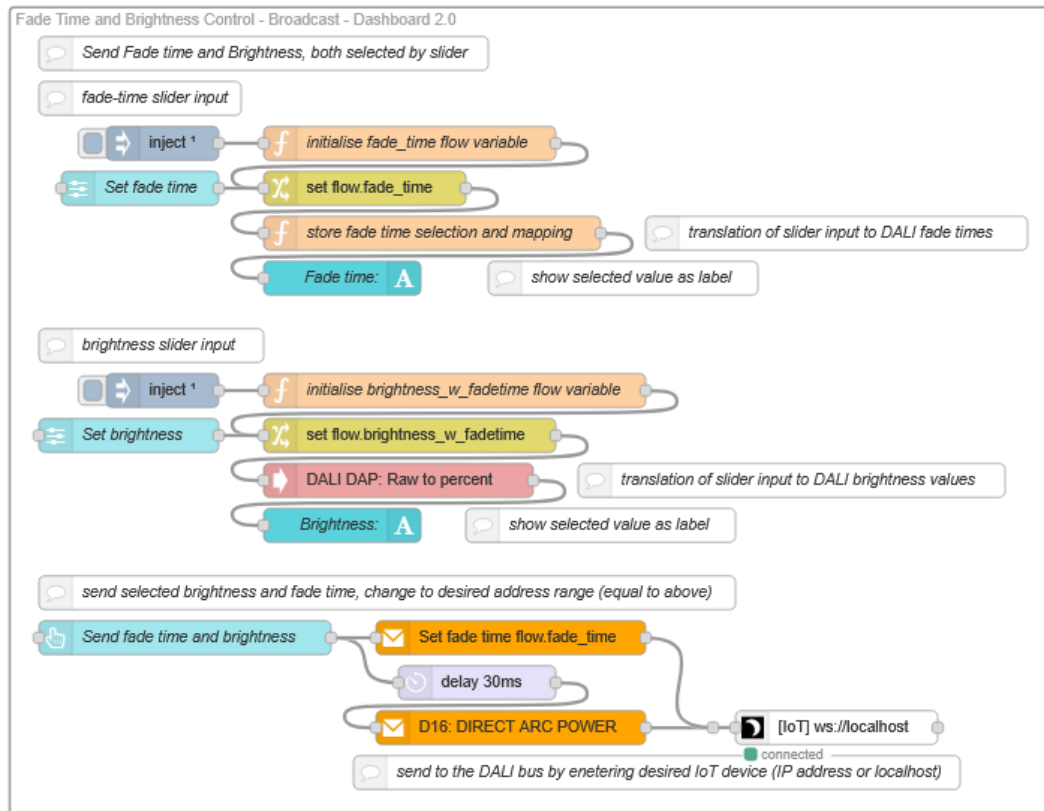
Helligkeitssteuerung -Knöpfe: „brightness control buttons“



Helligkeitssteuerung - Schieberegler: „brightness slider“



Helligkeitssteuerung mit Fade-Zeit: „brightness and fade time“



Light Control with Fade Broadcast

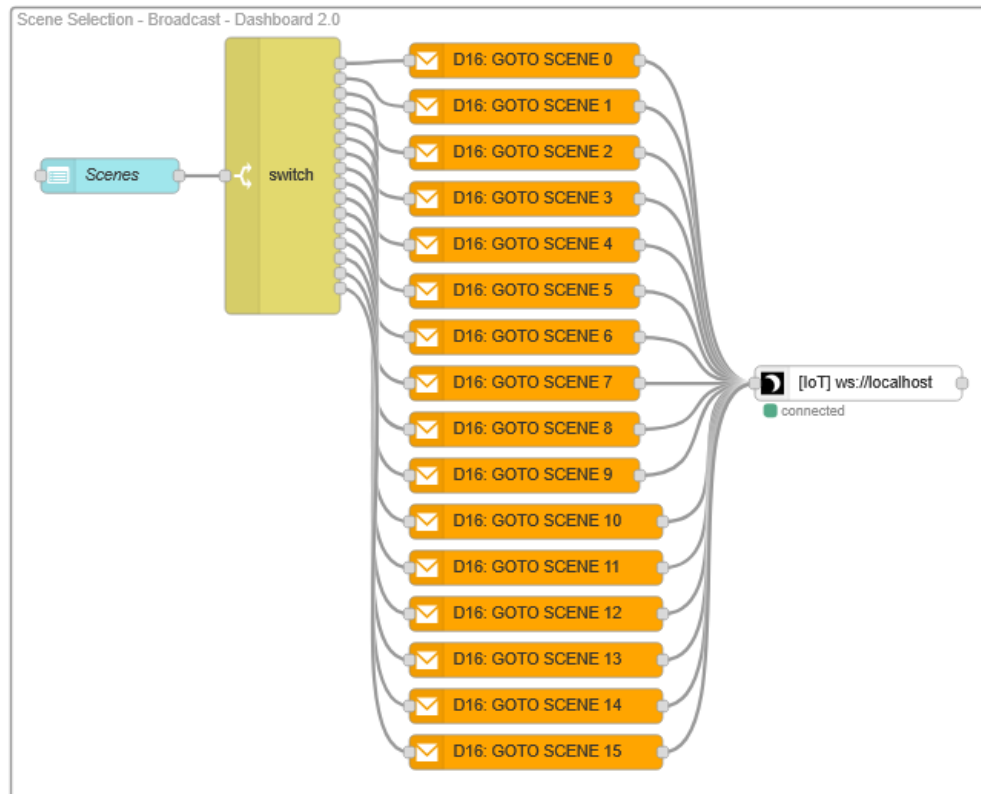
Set fade time

Fade time: 0.7s

Set brightness

Brightness Light Level %: 17.905

Szenenauswahl: „scene selection“

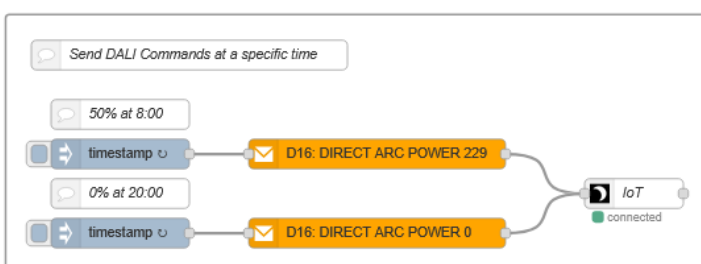


Scene Control Broadcast

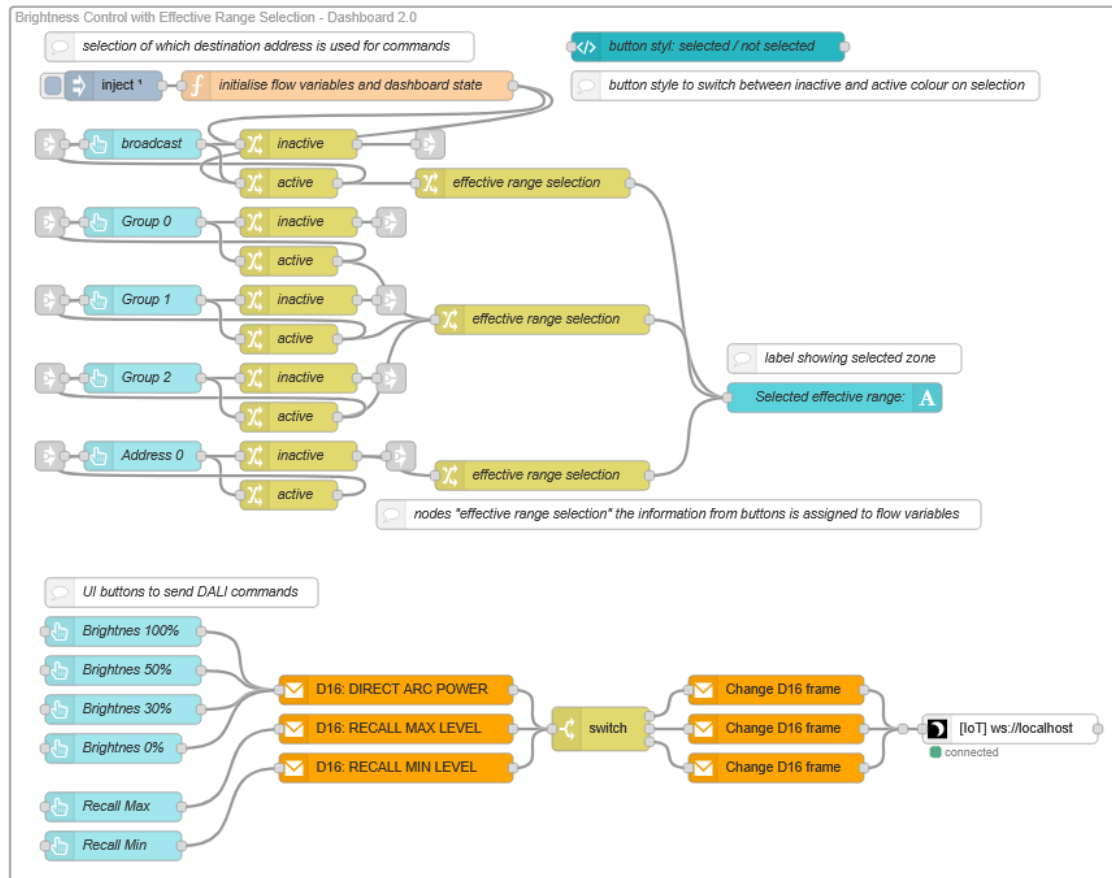
* Select Scene

Activate

Zeitgesteuerte Helligkeitsbefehle: „timed brightness commands“



Helligkeitssteuerung mit Auswahl des Wirkbereichs: „control with effective range selection“



Control with Effective Range Selection

Broadcast

Group 0

Group 1

Group 2

A0

Selected effective range: broadcast

100%

50%

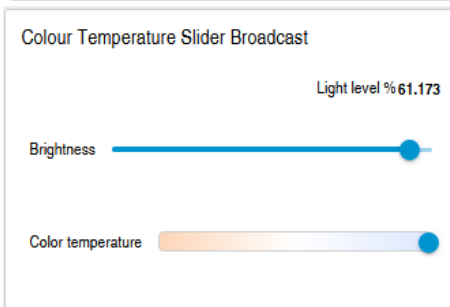
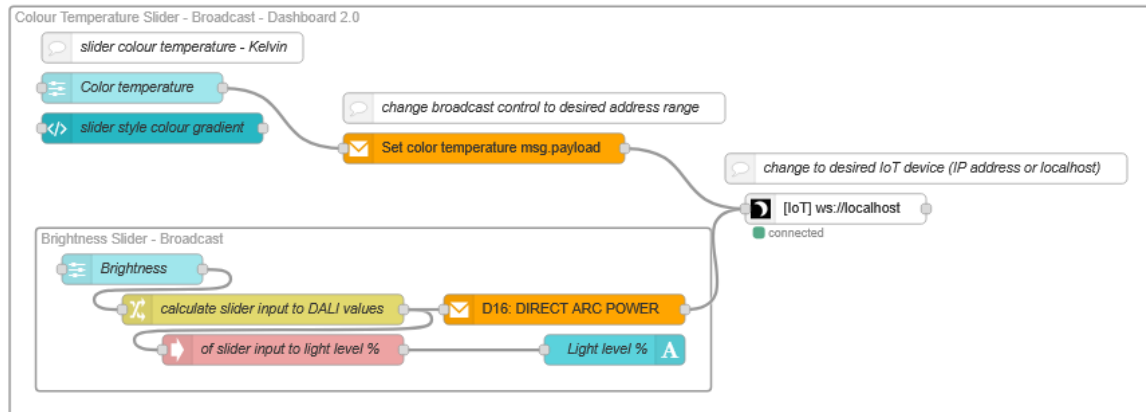
30%

0%

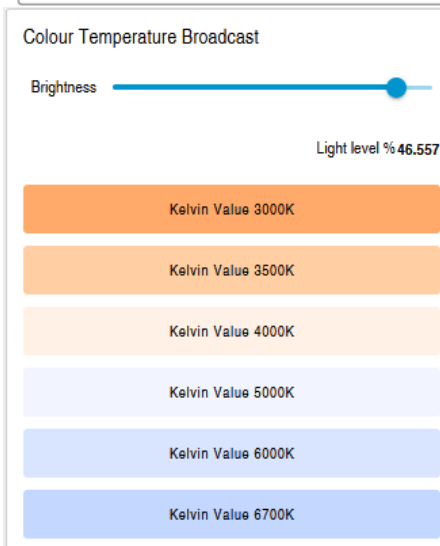
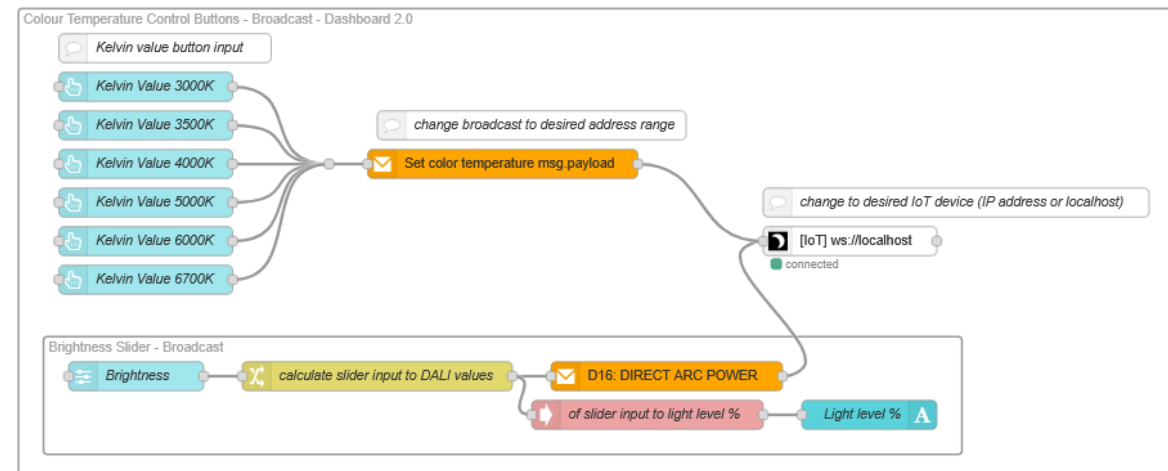
Max

Min

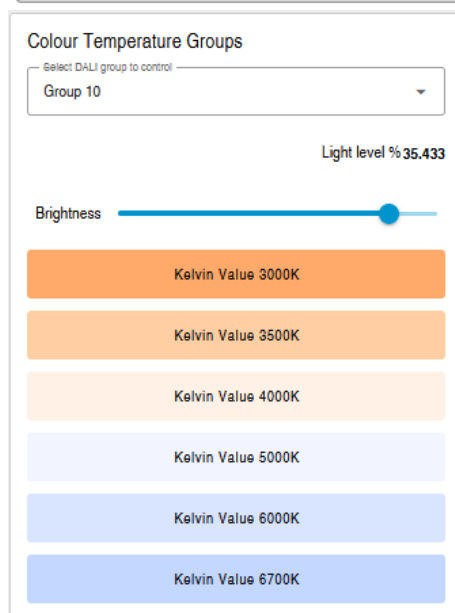
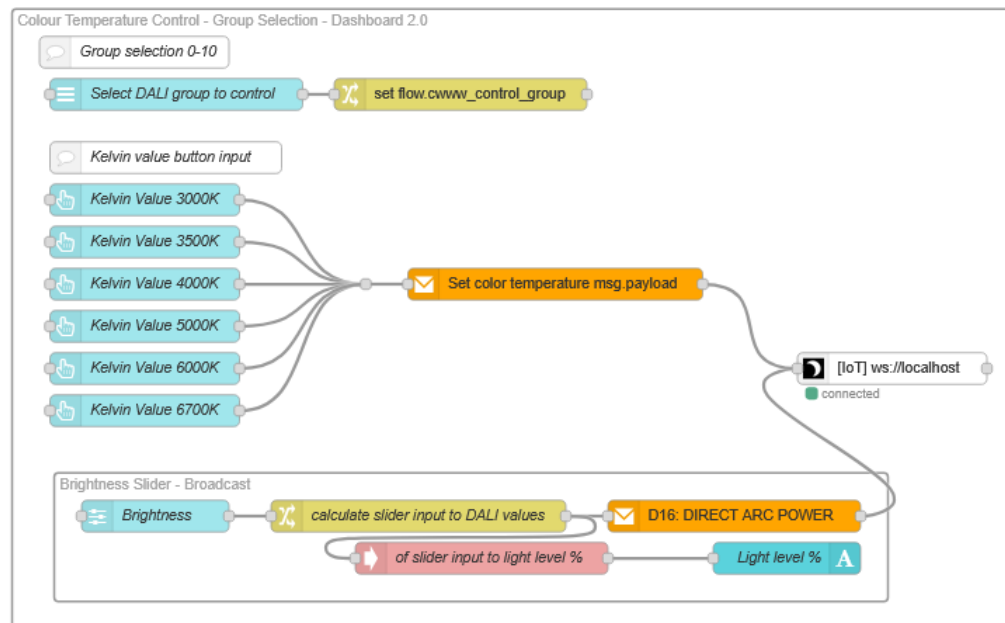
Farbtemperatur Schieberegler: „colour temperature slider“



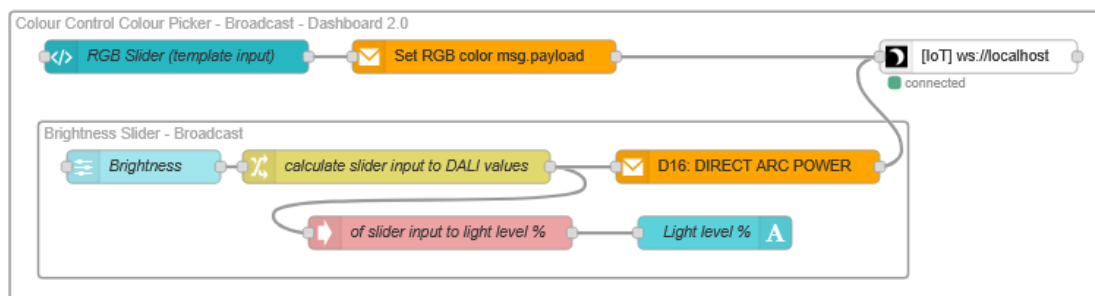
Farbtemperatur Knöpfe: „colour temperature buttons“

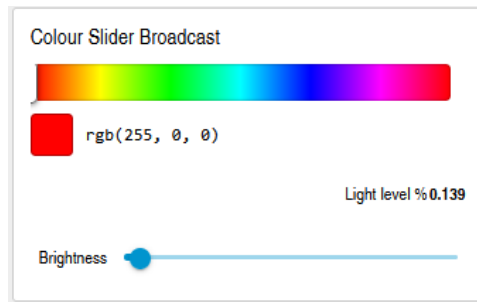


Farbtemperatur Knöpfe mit Gruppenauswahl: „colour temperature buttons with group selection“

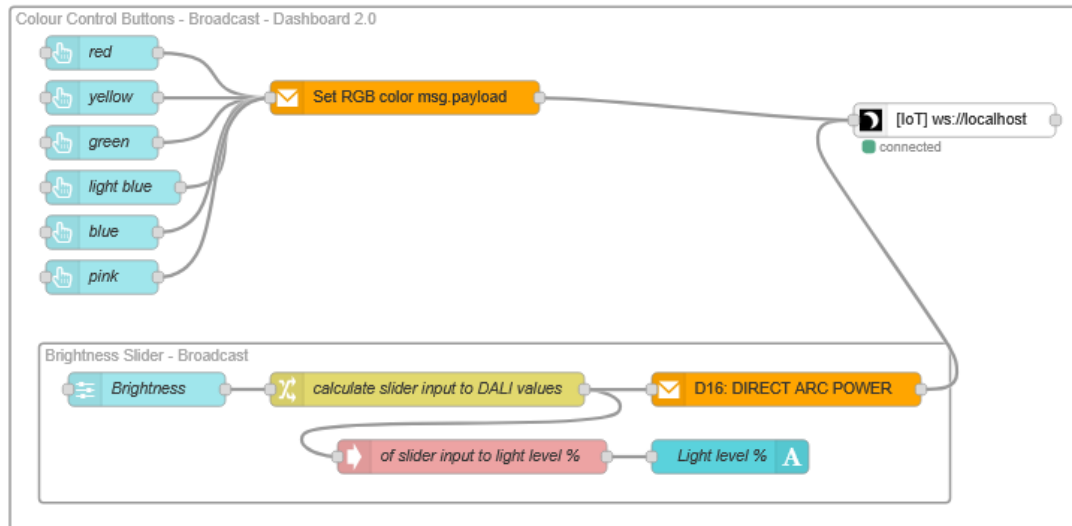


Farbsteuerung Schieberegler: „colour picker“



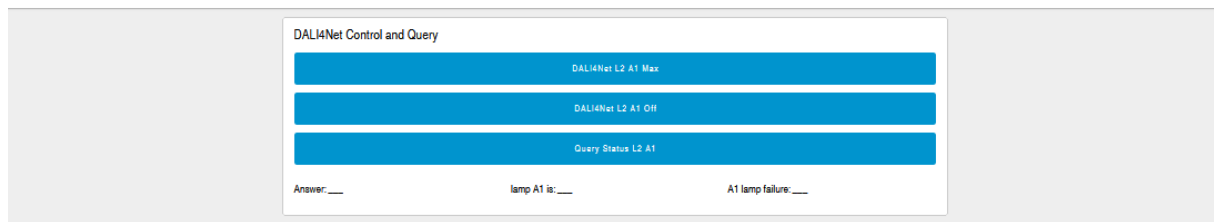


Farbsteuerung Knöpfe: „colour RGB buttons“

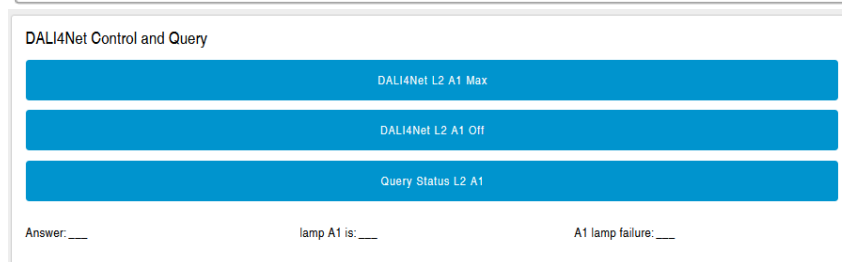
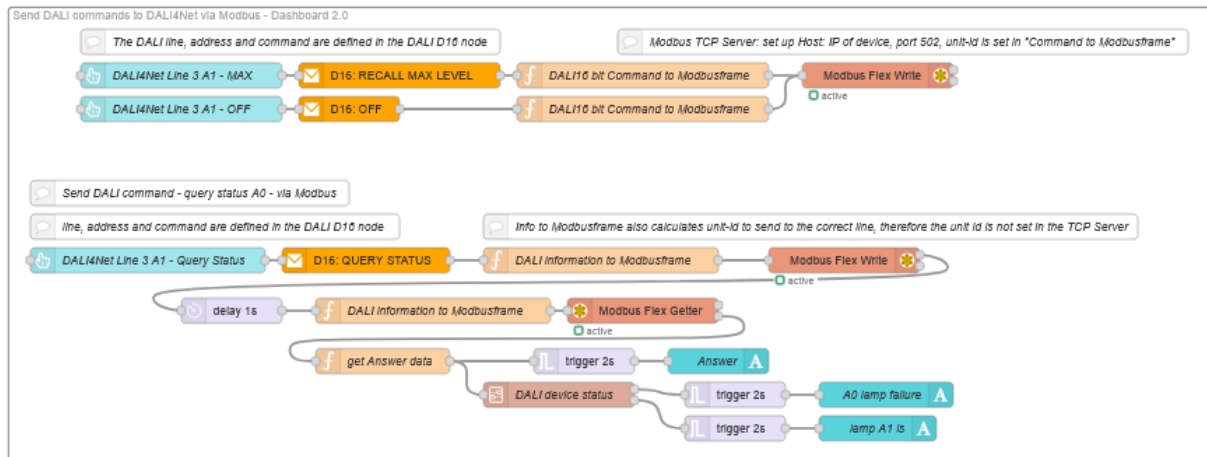


4. DALI4Net

☰ DALI4Net Control

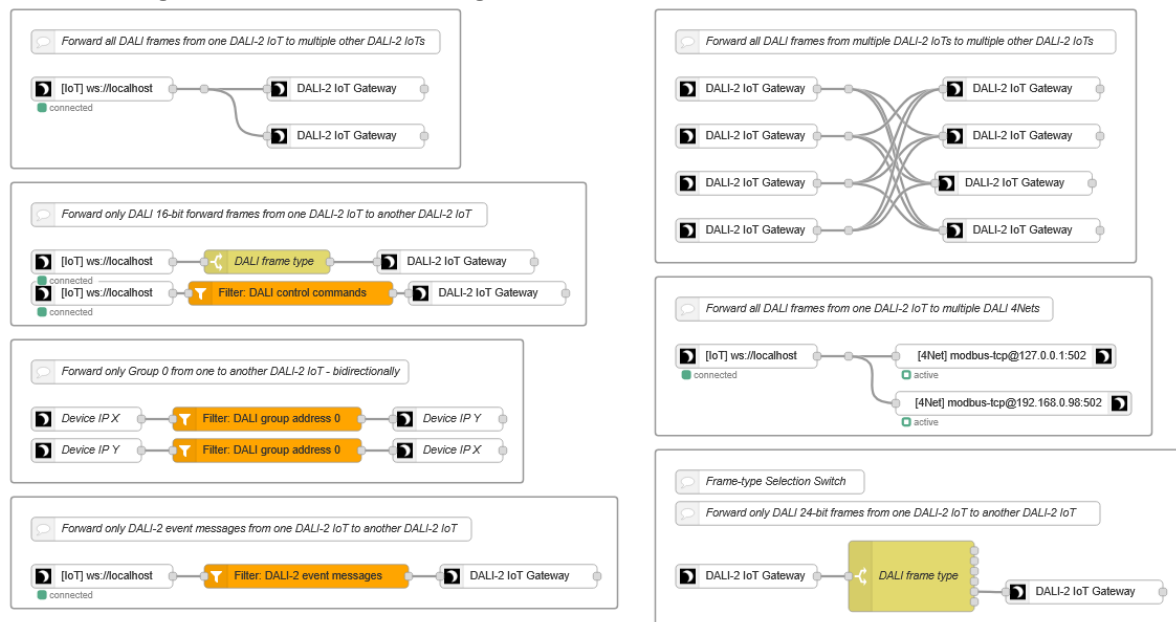


Modbus Befehle Senden und Antworten empfangen: „DALI4Net modbus control and queries“

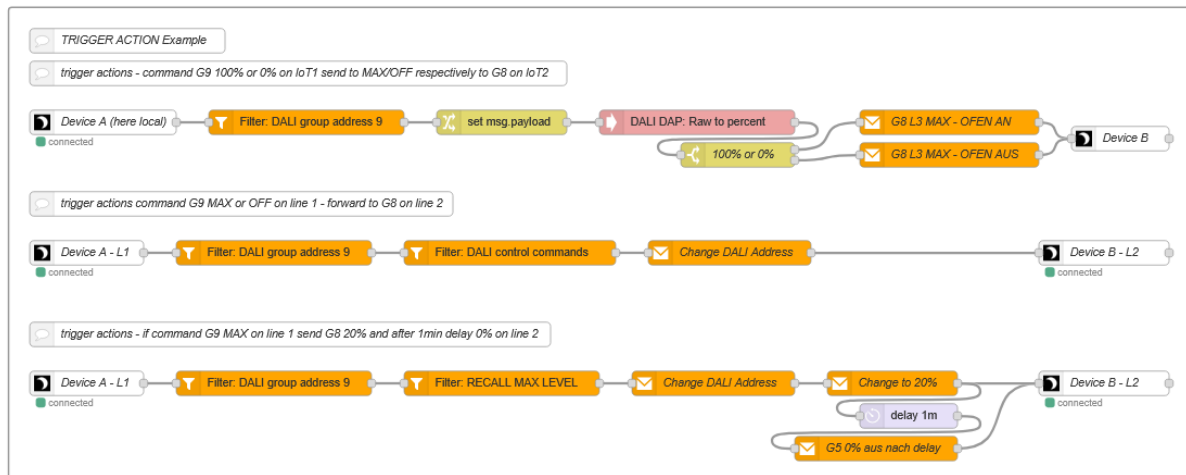


5. Forwarding Trigger Actions

Weiterleitungen und Filter: „forwarding and filters“

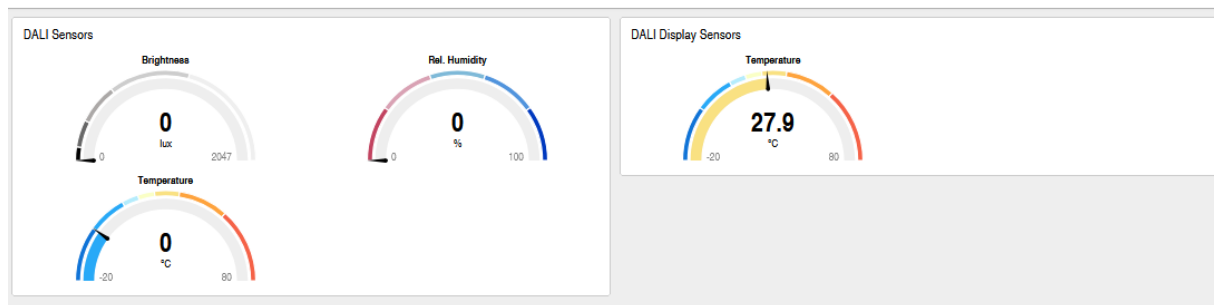


Durch Trigger ausgelöste Aktionen: „trigger action“

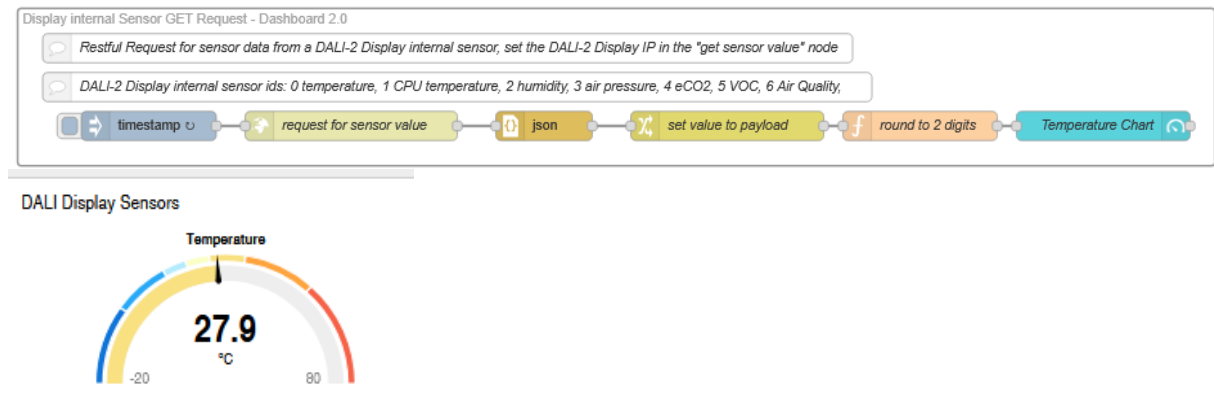


6. Sensors

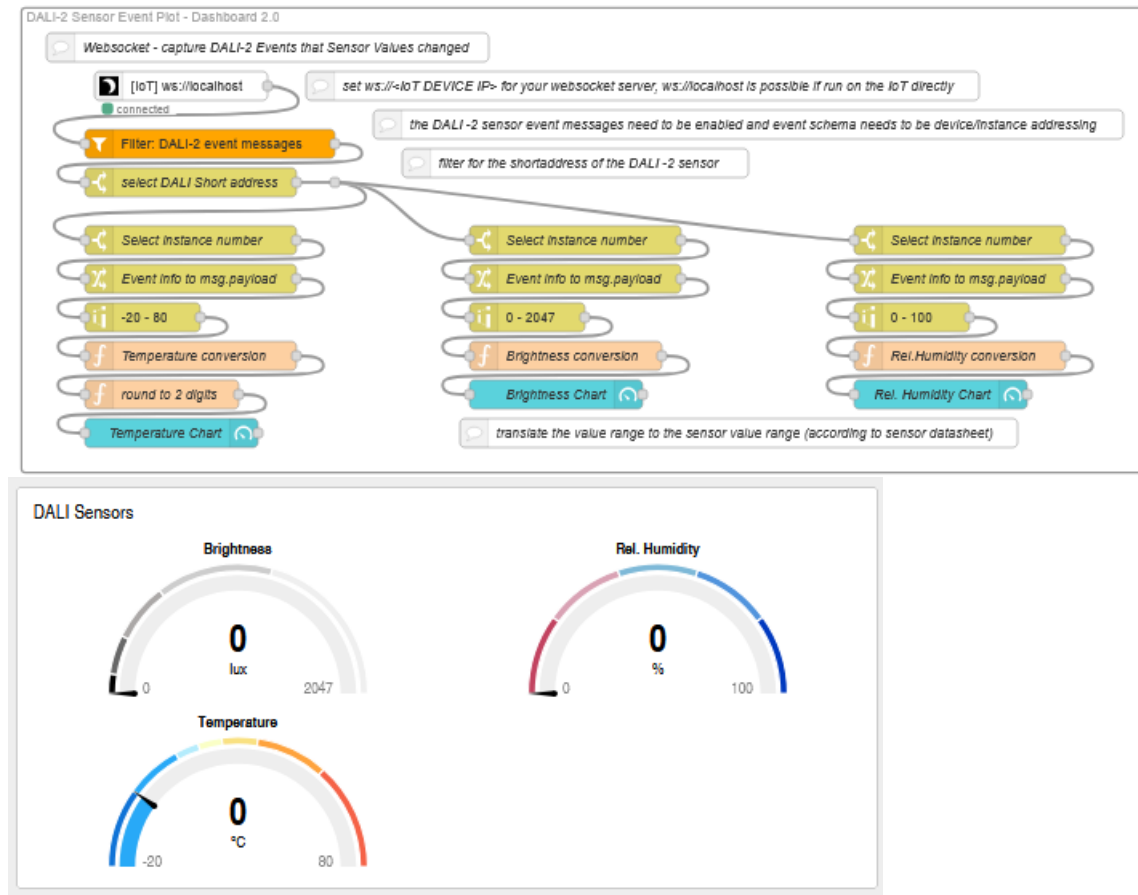
DALI Sensor Plots



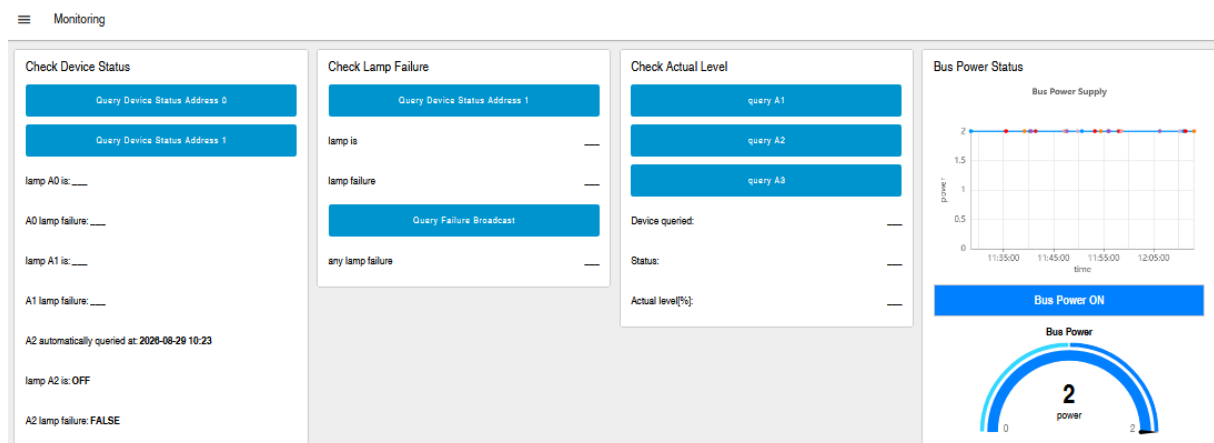
DALI-2 Display Sensoren: „DALI-2 Display internal sensor request“



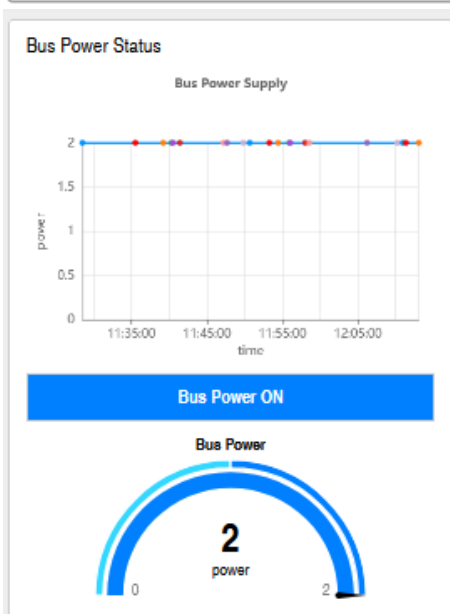
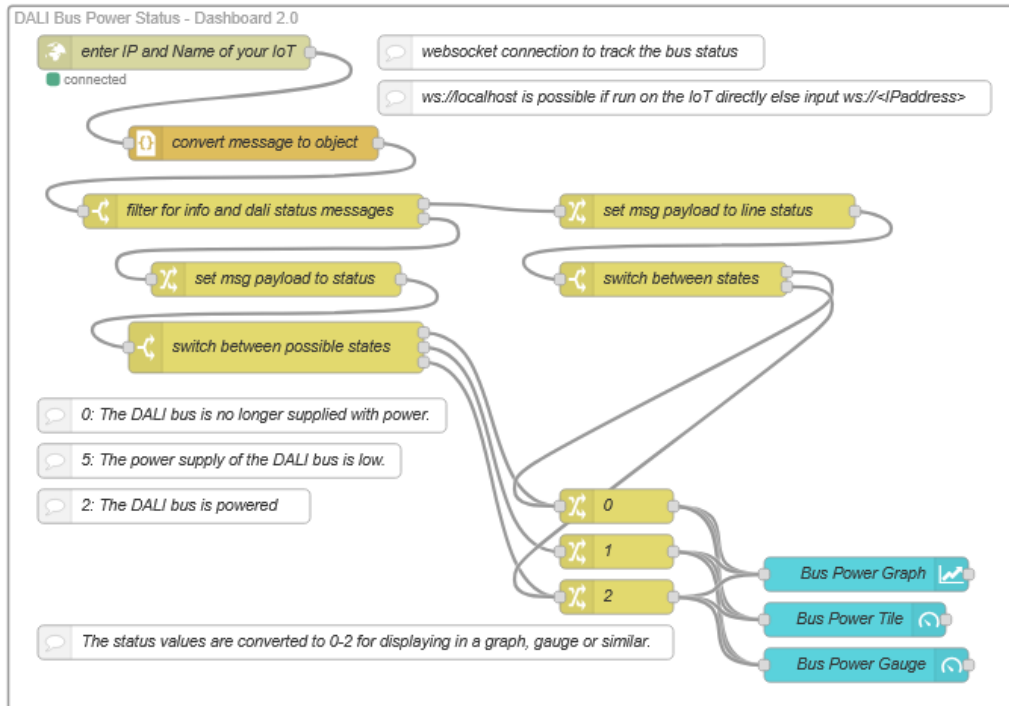
DALI-2 Sensor Events: „visualisation of sensor events“



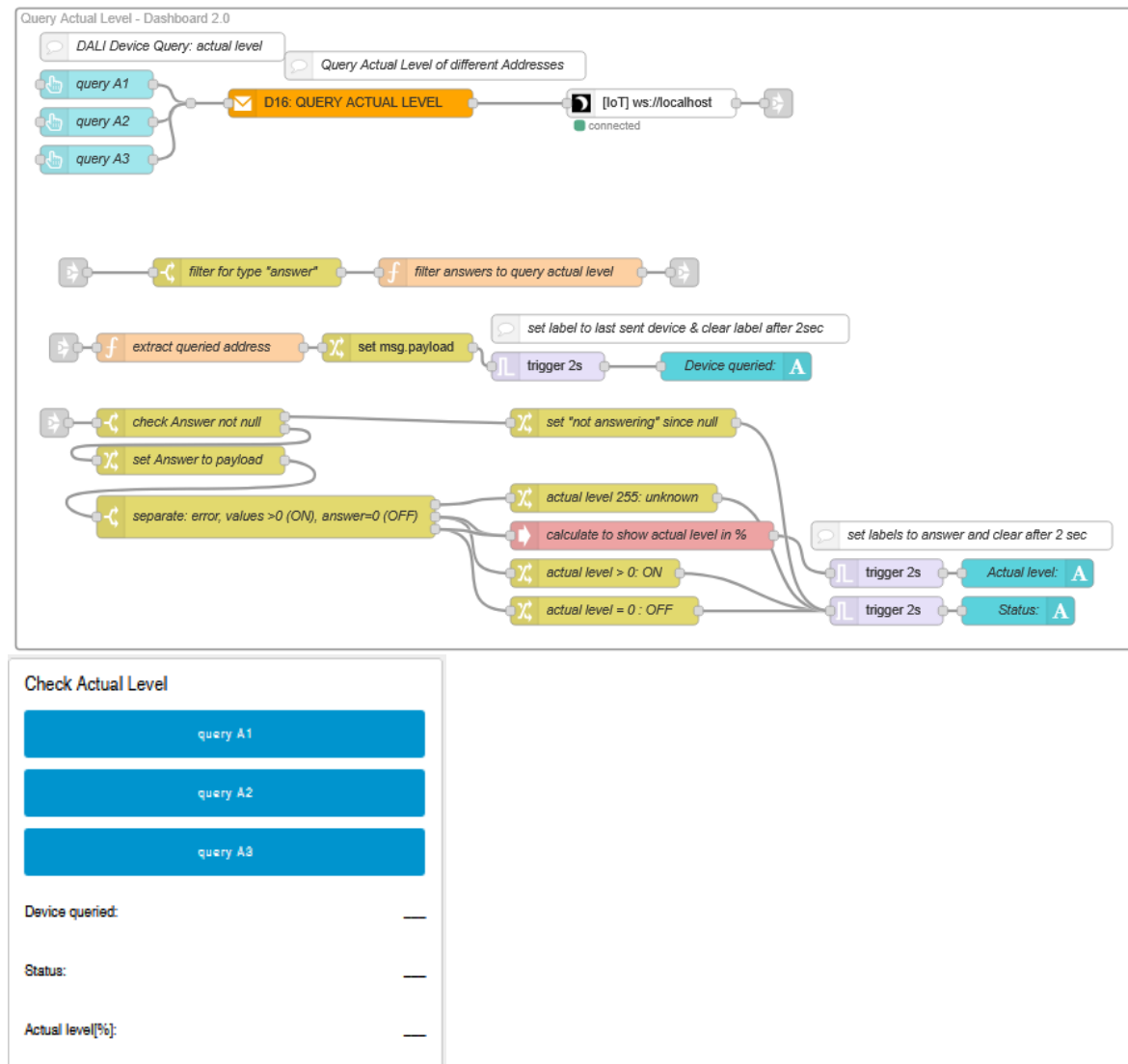
7. Monitoring



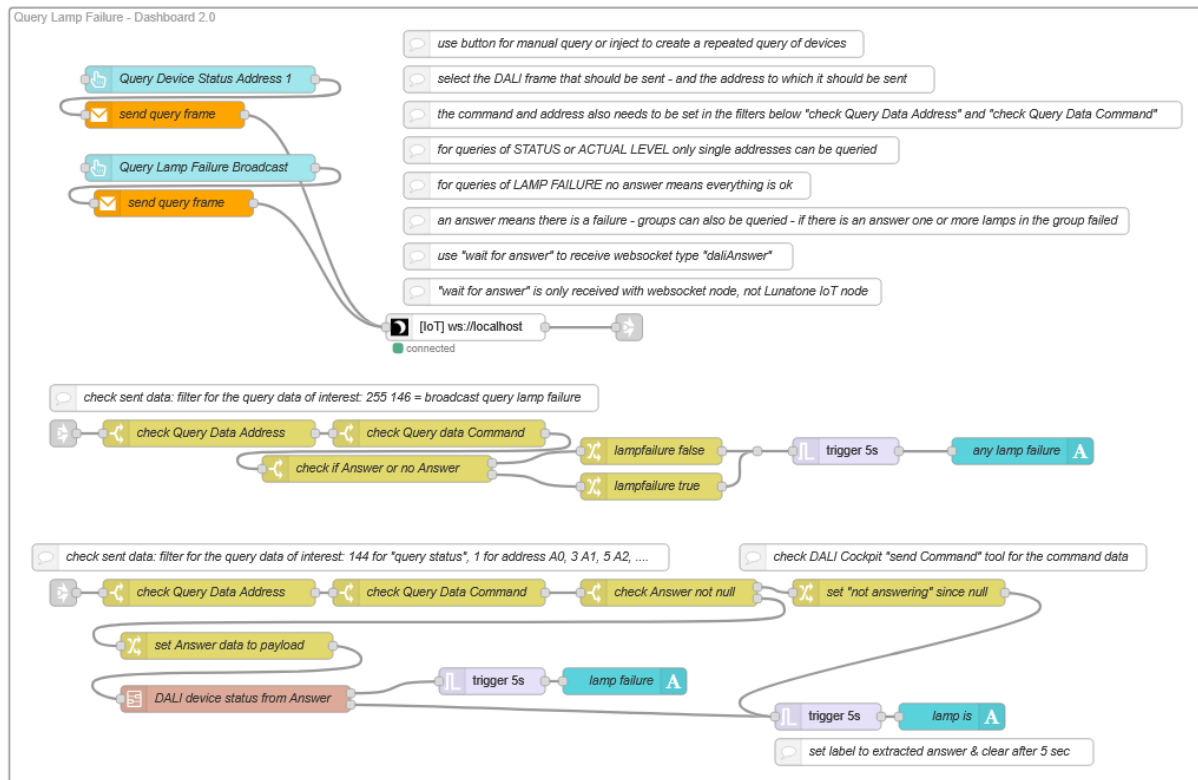
Bus Status: „bus status“



Aktuelles Lichtlevel: „query actual level“



Lampen Fehler: „query lamp failure“



Check Lamp Failure

Query Device Status Address 1

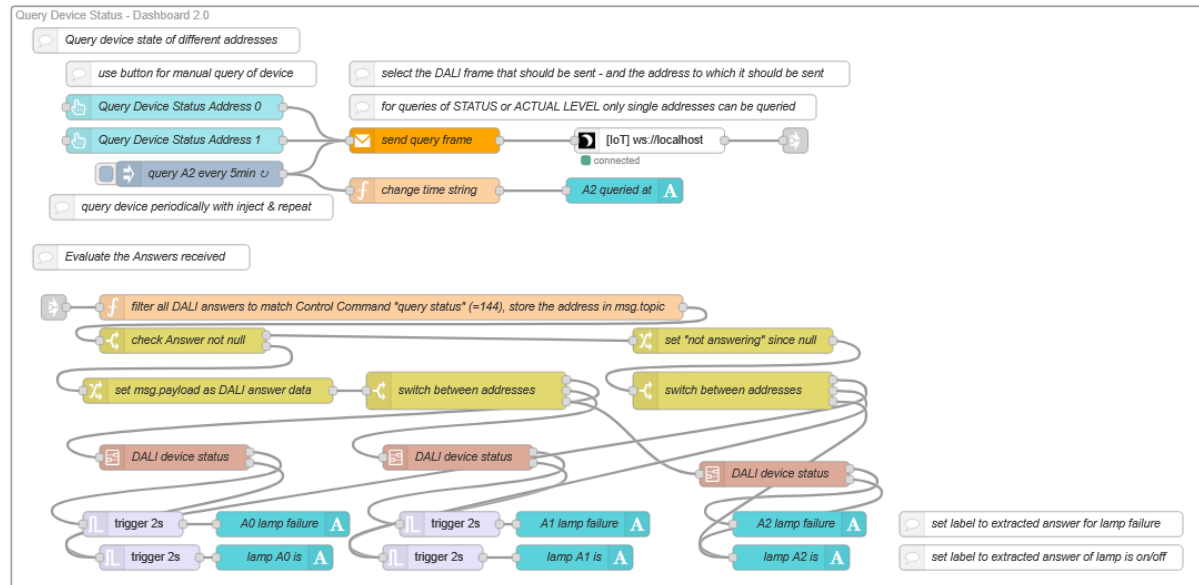
lamp is OFF

lamp failure FALSE

Query Failure Broadcast

any lamp failure NO

Lampen Status: „query status“



Check Device Status

Query Device Status Address 0

Query Device Status Address 1

lamp A0 is: ____

A0 lamp failure: ____

lamp A1 is: OFF

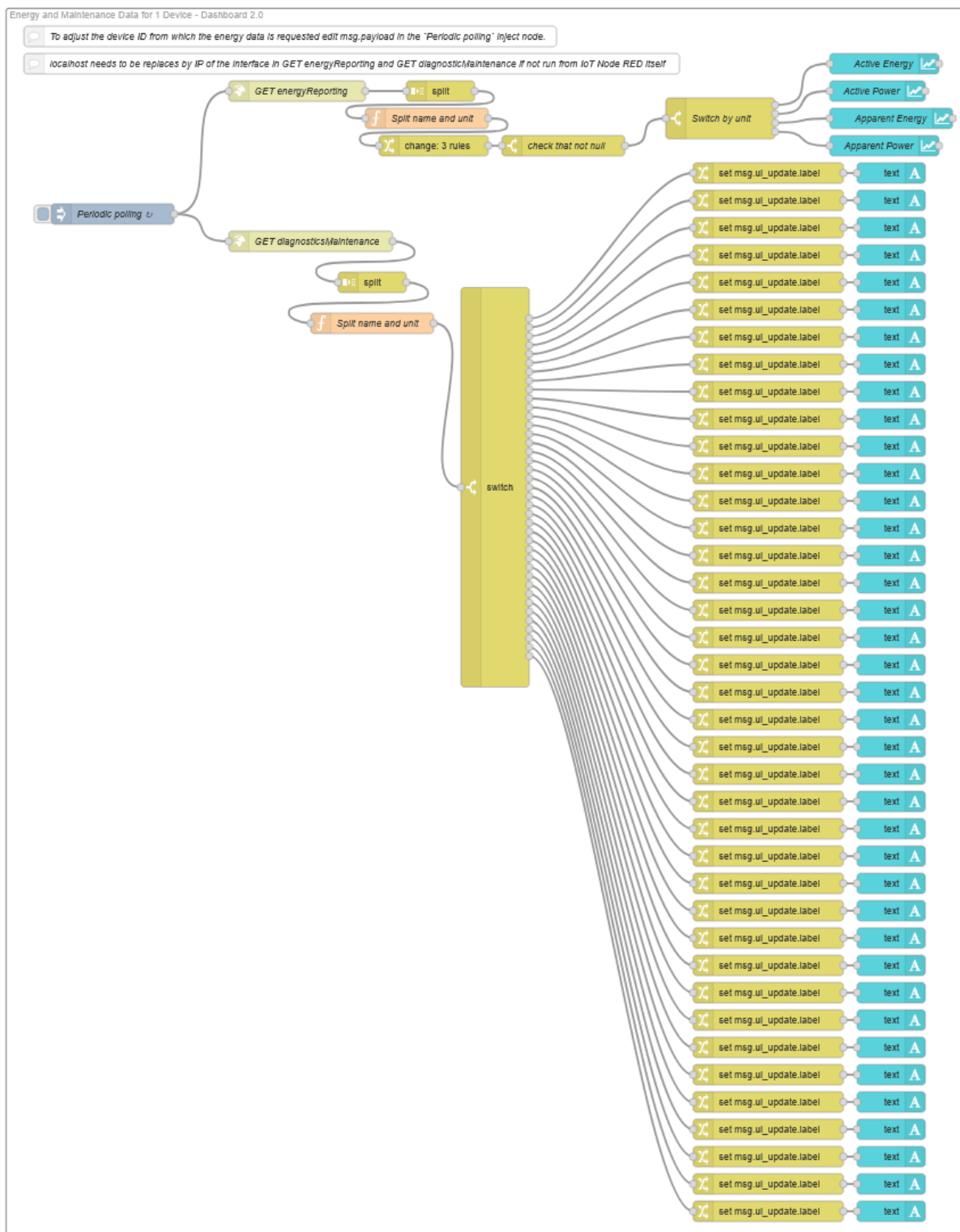
A1 lamp failure: FALSE

A2 automatically queried at: 2026-08-29 10:28

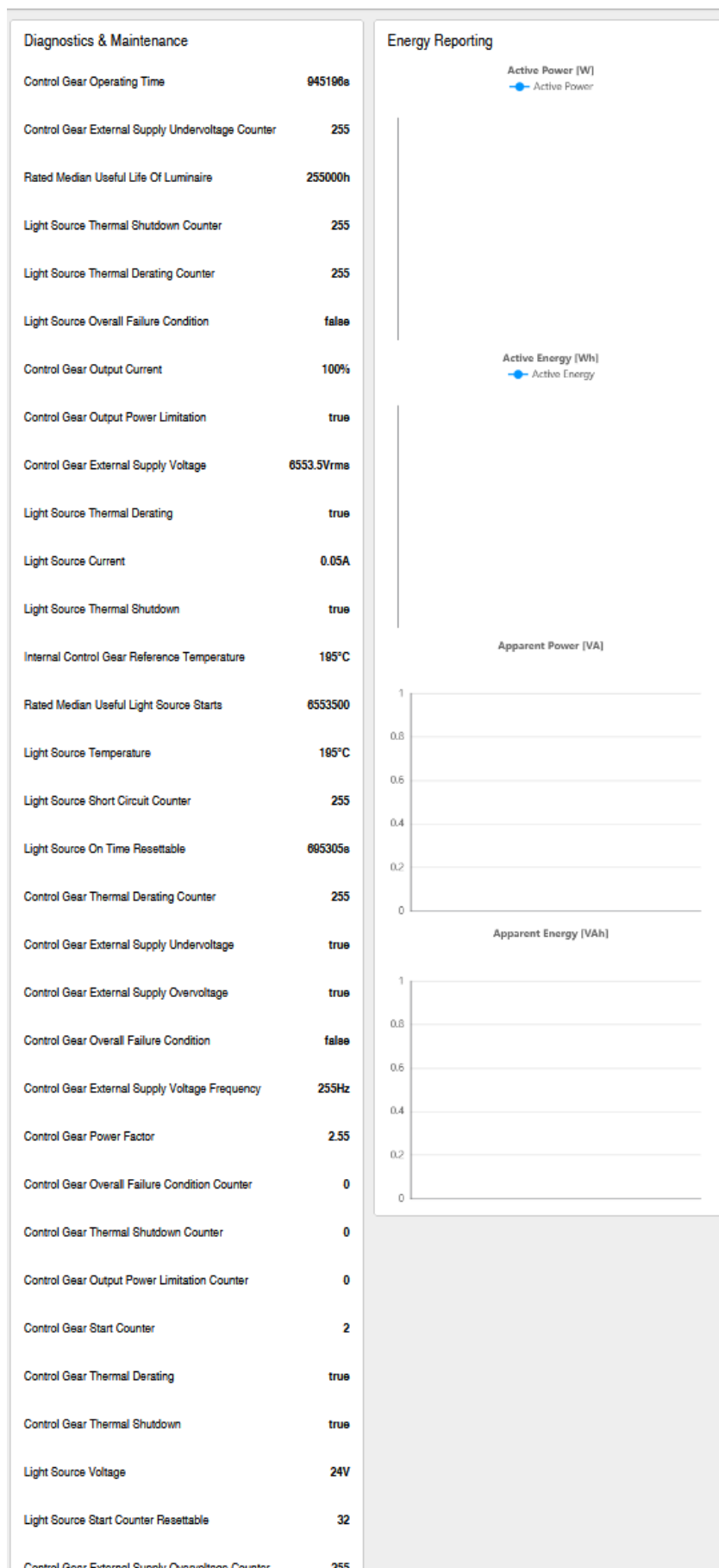
lamp A2 is: OFF

A2 lamp failure: FALSE

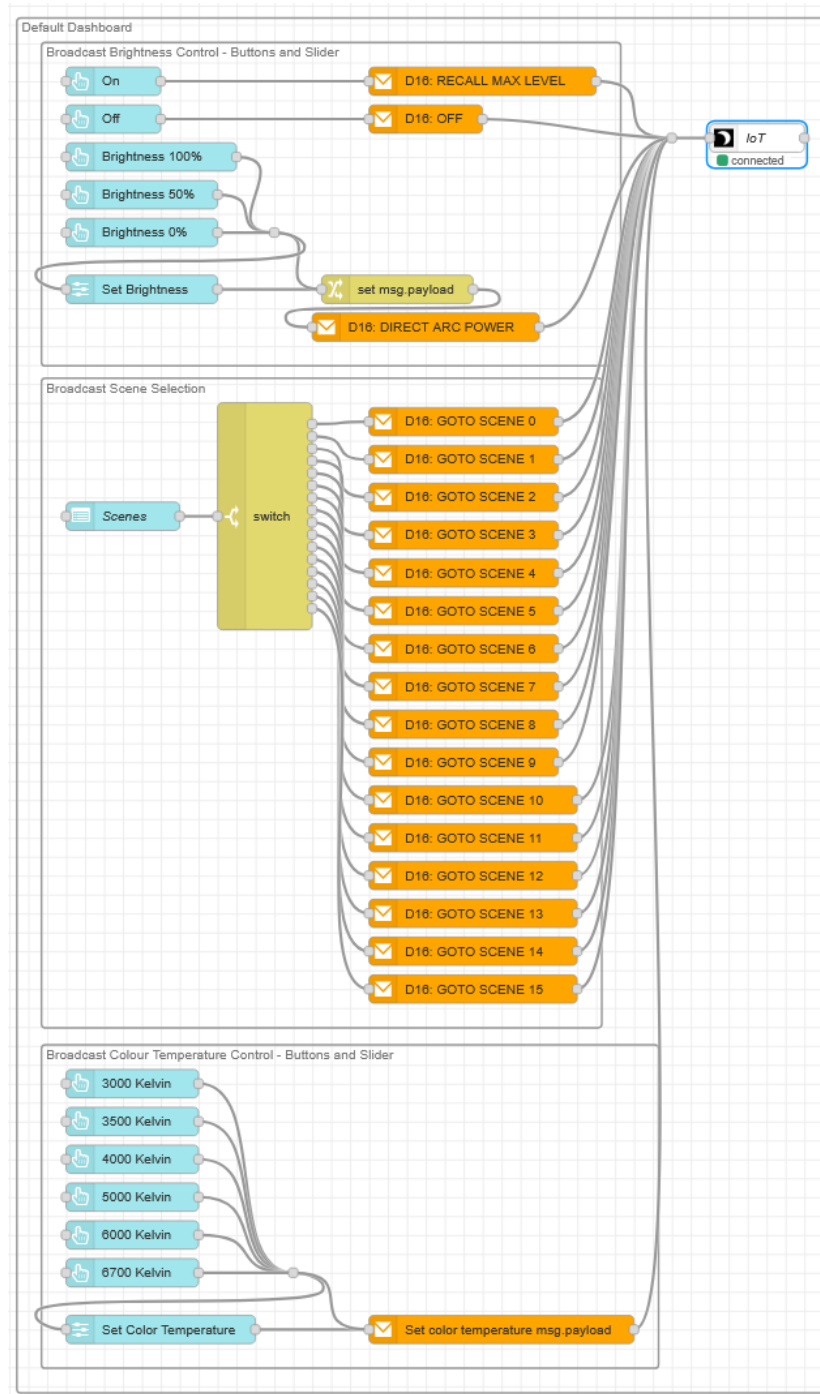
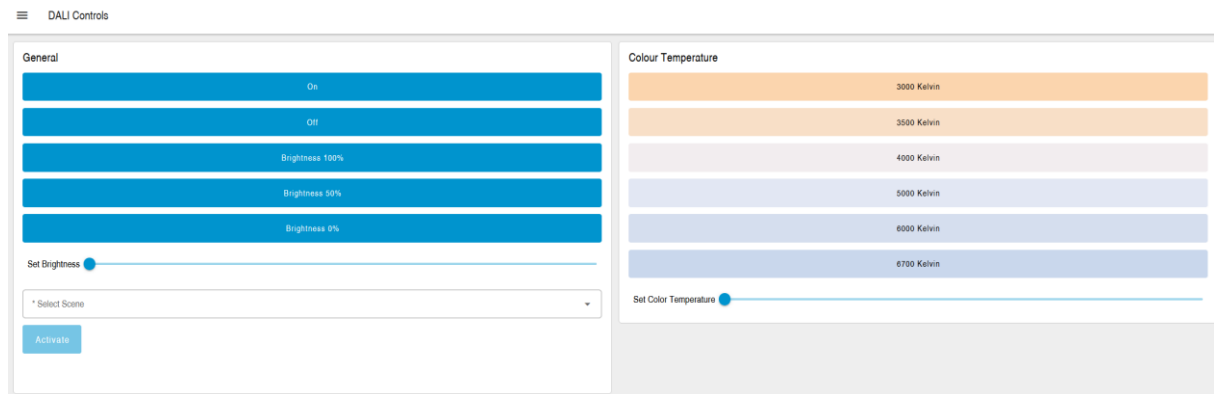
Energy Daten: „energy monitoring“



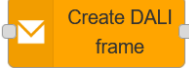
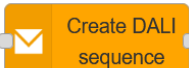
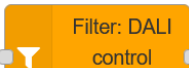
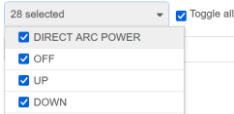
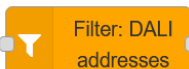
Energy Data

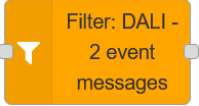
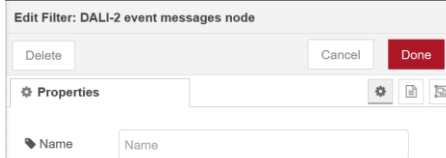
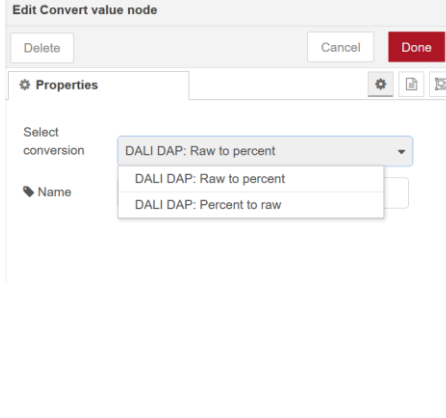
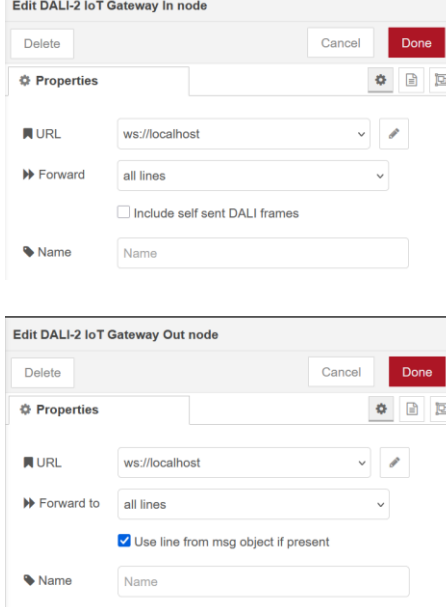
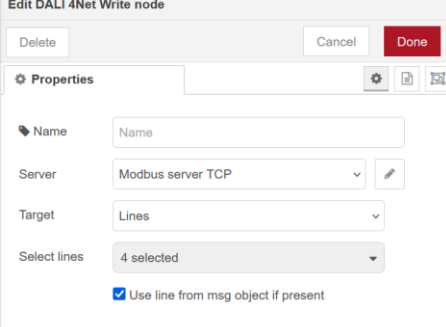


8. Default Dashboard (Dashboard2)



Appendix: Übersicht Lunatone Nodes

 Create DALI frame	Edit Create DALI frame node Delete Cancel Done Properties DALI Line ☐ DALI address space DALI 16-bit DALI command DIRECT ARC POWER DALI data 0 ☐ Send twice ☐ Wait for answer Address type Broadcast Name	Senden von DALI Befehlen DALI (16bit), DALI-2 (24bit), DALI-2 Events
 Create DALI sequence	Edit Create DALI sequence node Delete Cancel Done Properties DALI Line ☐ Address type Broadcast Select sequence Set fade time Fade time seconds None Name	Senden von DALI Sequenzen: - Farbtemperatur - Farbe RGBWAF - Setzen von Fade Time - Setzen von Fade Rate
 Manipulate DALI frame	Edit Manipulate DALI frame node Delete Cancel Done Properties DALI address space DALI 16-bit Change Address Address type Broadcast Name	Abändern eines bestehenden DALI Frames (z.B. empfangen per websocket): - Ändern der Adresse - Ändern des Befehls
 Filter: DALI control commands	Edit Filter: DALI control commands node Delete Cancel Done Properties Select command 28 selected ☒ Toggle all Name	Filtern von empfangenen DALI Frames nach Steuerbefehlen: Auswahl mehrerer Befehle aus gesammelter Liste 
 Filter: DALI addresses	Edit Filter: DALI addresses node Delete Cancel Done Properties Select broadcast ☐ Select broadcast unaddressed ☐ Select group addresses 0 selected ☐ Toggle all Select short addresses 0 selected ☐ Toggle all Name	Filtern von empfangenen DALI Frames nach spezifischen Adressen: Auswahl einzelner oder mehrerer Adressen, Gruppenadressen und Broadcast.

		Filtern von DALI-2 Event Nachrichten aus allen empfangenen DALI Frames.
		Wechsel zwischen Lichtlevel 0-100% und DALI Wert (DAP) 0-254 und umgekehrt. Der DALI Wert (0-254) entspricht einem Wert zur gleichmäßigen Steuerung des Lichts. Die DALI Werte ermöglichen in niedrigeren Dimmleveln eine feine Auflösung zur Steuerung. folgende Formel bestimmt das Output Lichtlevel: $\text{Light Output} = 10 \frac{\text{DALIvalue}-1}{\frac{253}{3}} - 1 [\%]$
 		Websocket Nodes zum Senden bzw. Empfangen von DALI Kommunikation oder IoT Statusnachrichten über die WebSocket-Schnittstelle des DALI-2 IoT
		Modbus TCP Node zum Senden von Befehlen über die Modbus TCP Schnittstelle des DALI 4Net

Additional Information and Equipment

DALI-2 IoT Node RED Beispiele
www.lunatone.at/projects/Display_and_IoT/IoT-Node-RED-examples.zip

Node RED Lunatone
<https://flows.nodered.org/node/@lunatone/node-de-red-dali>

Lunatone Datenblätter und Manuals
www.lunatone.com/downloads-a-z

DALI-Produkte von Lunatone
www.lunatone.com

DALI-Cockpit – DALI-Installations-Software,
kostenlos bei Verwendung eines Lunatone
Schnittstellengeräts
<https://www.lunatone.com/produkt/dali-cockpit/>

Kontakt

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Anfragen: sales@lunatone.com

www.lunatone.com

Disclaimer

Änderungen vorbehalten. Alle Angaben ohne Gewähr. Das Datenblatt bezieht sich auf den aktuellen Auslieferungszustand.

Die Kompatibilität mit anderen Geräten muss vor der Installation geprüft werden.