

Product Documentation

RT-Win4 MQTT Interface

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1. Abstract

1.1. Purpose of this Document

This document describes the MQTT Interface of RT-Win 4

1.2. Intended Readership

This manual is intended for technicians and IT staff.

1.3. History

Date	Version	Revision Author(s)	Revision Notes
20.12.2025	1.00	Gh	Initial Version
21.01.2026	1.01	Gh	Last Will of the MQTT connection
29.04.2026	1.02	Gh	Cumulative error message, Connectivity structure

1.4. Document References

Ref.	Document Name	Version	
[1]	Hörtig-U10 "RT-Win4 User Manual"	1.18	
[2]	Hörtig-I18 „RT-Win4 Installation Manual“	1.08	

1.5. Abbreviation

CC	Central Control Unit
IP	Internet Protocol, IP-Address
TCP/IP	Transmission Control Protocol / Internet Protocol
DCS	Distributed Control System
RTC	Real Time Clock
TAN	Transaction- or Transport Number
SMTP	Simple Mail Transfer Protocol
LIMS	Laboratory Information Management System
DDC	DCS Domain Controller
F&G	Fire & Gas
Thekla	RT-Win4 Host
MQTT	Message Queue Telemetry Transport
IoT	Internet of Things
QoS	Quality of Service

2. Before you start

Thank you for choosing RT-Win 4 for Windows. We continuously extend and improve this software.

RT-Win 4 is designed to monitor HÖRTIG rohrpost systems "H61F". The software is intended to run on a dedicated computer for tube-system use only.

Do not run any health-, production-, safety- or security- relevant software on same PC with RT-Win 4!

3. MQTT Basics

3.1. General

The RT-Win4 MQTT interface provides an interface through which data is transmitted to and from the pneumatic tube system. Data is exchanged via an MQTT broker. The broker can be set up either by the pneumatic tube user's IT department in the local network or by HÖRTIG on the RT-Win4 host.

A common broker is, for example, the Mosquitto broker (<https://mosquitto.org/>).

3.2. Connection to the broker

To establish a connection to a broker, RT-Win4 requires the following data, which can be configured via the MQTT app (see Hörtig-U10 "RT-Win4 User Manual").

The screenshot shows the MQTT App interface with the following sections:

- Broker:**
 - Broker: 127.0.0.1
 - Port: 1883
 - QoS: 0
 - MQTT User-Name:
 - MQTT Password:
 - Disconnect from Broker
 - MQTT Broker Auto-Connect: ☒
 - Basic Topic: hortig/CHU-Nantes/
 - Alarm Topic: hortig/CHU-Nantes/Alarm/#
 - Buttons: Apply, Cancel, Refresh List
- List of Devices:**

Index	Dev-Nr.	Dev-String	Alias
1	0x0C00	Z012D000	UserDefinedAlias
2	0x0C02	Z012D002	DID_Z012D002
3	0x0C1E	Z012D030	DID_Z012D030
4	0x0D00	Z013D000	DID_Z013D000
5	0x0D03	Z013D003	DID_Z013D003
6	0x0D1F	Z013D031	DID_Z013D031
7	0x0E00	Z014D000	DID_Z014D000
8	0x0E04	Z014D004	DID_Z014D004
9	0x0E20	Z014D032	DID_Z014D032
10	0x0E21	Z014D033	DID_Z014D033
11	0x0E05	Z014W085	DID_Z014W085
12	0x0F00	Z015D000	DID_Z015D000
13	0x0F05	Z015D005	DID_Z015D005
14	0x0F1D	Z015D029	DID_Z015D029
15	0x0F22	Z015D034	DID_Z015D034
16	0x0FC6	Z015W070	DID_Z015W070
17	0x0FC7	Z015W071	DID_Z015W071
18	0x1000	Z016D000	DID_Z016D000
19	0x1006	Z016D006	DID_Z016D006
- List of Alarms:**

Alarm-Nr.	Alarm-String
1	Alarm Building A
2	Alarm Building B
3	Alarm Building C
4	Alarm Building D
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
- Messages:**

```

Memo1
Remote host disconnected.
OK
Disconnected from MQTT server.
OK
MQTT... connecting
Remote host connection complete.
OK
Connected to MQTT server.
OK
Message from <hortig/CHU-Nantes/Alarm/Alarm Building D> (QoS 0):
on
Alarm sent: MQTAlarm=4>Status = 1
Message from <hortig/CHU-Nantes/Alarm/Alarm Building D> (QoS 0):
off
Alarm sent: MQTAlarm=4>Status = 0
Connection-Available
  
```

- URL / IP-Adresse of the Brokers
- Port of the Brokers
- QoS of the Verbindung
- SSL-Encryption
- Username
- Password
- Basic Topic
- Alarm Topic

To test the connection from RT-Win4 to the broker, automatic connection establishment can be deactivated. The connection is then established using the 'Connect to broker' button. Once the connection is successful, the text on the button changes to 'Disconnect from broker'.

```

MQTT... connecting
Remote host connection complete.
OK
Connected to MQTT server.
OK
  
```

If a problem occurs with the connection, a corresponding message will be displayed in the message area.

```
MQTT... connecting
Remote host connection failed.
[10061] Connection refused
[10061] Connection refused
Disconnected from MQTT server.
[10061] Connection refused
[10061] Connection refused
```

3.3. Geräteliste – Alias

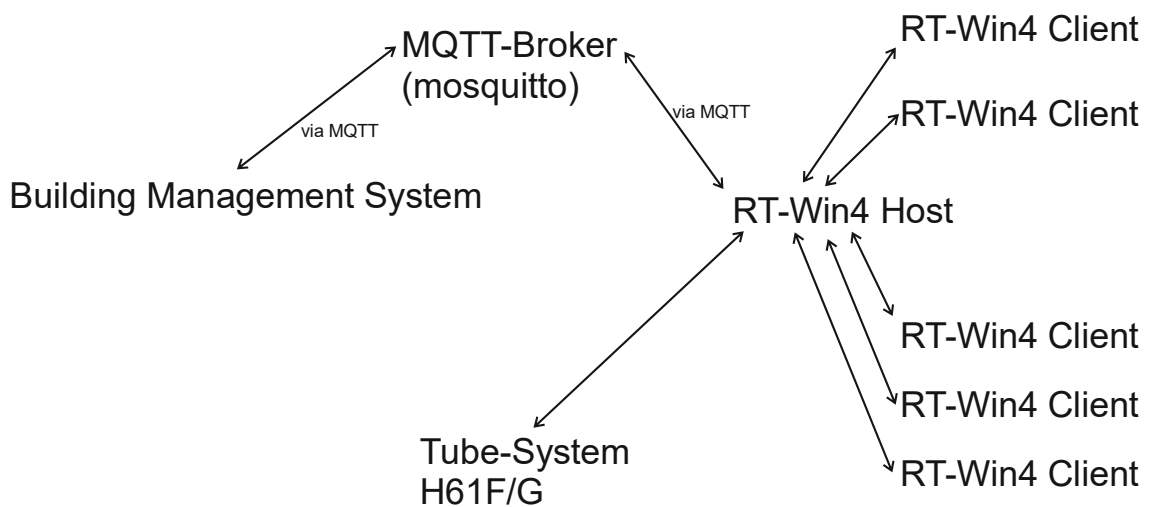
To map the device names to those used in the building management system, an alias is stored for each device or zone in the device list. The alias can be any text of your choice. This text is used in the topic of the MQTT message for the respective device.

liste du matériel			
Index	numéro de	Nom de	Alias
1	0x0000	Z000D000	Global_Error_Relay
2	0x0B00	Z011D000	IDN-D-1S-TTZ-TAP-FCC-C001
3	0x0B01	Z011D001	IDN-D-1S-TTZ-TAP-REV-R11B
4	0x0B13	Z011D019	IDN-D-1S-TTZ-TAP-TUR-009
5	0x0B14	Z011D020	IDN-D-1S-TTZ-TAP-TUR-008

4. Connectivity Structure

The RT-Win4 Host collects all data from the pneumatic tube system and makes it available to RT-Win4 clients via the associated apps. Furthermore, the RT-Win4 Host provides an interface to an MQTT broker. The current status data is sent to the broker via the MQTT interface. There, it can then be retrieved, for example, by the building management system.

It is also possible to send alarms to the pneumatic tube system via the MQTT broker.



5. Messages to the broker

The RT-Win4 MQTT interface sends messages to the broker when a zone or a device in a zone reports a malfunction or when the malfunction is no longer present.

An MQTT message consists of a topic and the user data (value). To simplify the subscription to messages, the first sections of the topic should be standardised. RT-Win4 uses the 'Basic Topic' for this part of the topic.

Basic Topic:
hortig/IDN-Nantes/

The topic is composed of the 'basic topic', the alias of the device, the zone number (if applicable) and the message type.

5.1. Message structure

A MQTT message consists of a topic and the user data (value). The topic is composed of the 'basic topic', the alias of the device, the zone number (if applicable) and the message type. The zone number is indicated with a 'Z' and the three-digit zone number with leading zeros.

For the basic topic 'hortig/customer name/', the topic looks as follows:

hortig/ customer name /alias/[zone number/]message type

Example:

The basic topic "hortig/IDN-Nantes/" was selected.

Zone 11 has the alias 'IDN-D-1S-TTZ-TAP-FCC-C001' and a new status is sent. The topic then looks as follows:

hortig/ IDN-Nantes /IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

If device T19 in zone 11 has the alias 'IDN-D-1S-TTZ-TAP-TUR-009' and reports a status, the topic will look as follows:

hortig/ IDN-Nantes /IDN-D-1S-TTZ-TAP-TUR-009/status

The user data contains a value that is transmitted as a text string.
For example, "ok", "Service" or "Error".

5.2. Message types

5.2.1. Zone Status

If the status of a zone changes, a message is sent to the broker. The topic contains the message type 'status'.

The statuses 'Standby', 'Drive', 'Boot', 'Solver' and "Freeze" are regular operating states of a zone. The value 'ok' is sent.

For the statuses 'Service' and "Stop", the value 'Service' is sent.

If one of the statuses 'Error', 'Alarm' or "Halt" occurs, the value 'Error' is sent.

5.2.2. Error Relay

If an error relay is switched on or off by a zone, a message with the message type 'errorrelais' is sent.

Possible values in the user data are:

„off“
„Zone off;“
„Device-Error;“
„Timeout;“

If several relays are switched simultaneously, the values are sent separately in the user data, separated by a semicolon and a space ("; ").

e.g.:

„Zone off; Device-Error; “

If no relay is switched, the value "off" is sent without a semicolon.

In addition to the error relay messages, a message is generated for device Z000D000 with the message type "globalerrorrelay". All values for the error relays are OR-linked. This results in a cumulative error message. The payload is sent in the same way as for the error relays of the individual zones.

5.2.3. Device Status

If a device in the zone changes its status, the zone number is removed from the topic and the message type 'status' is used.

Possible values for the device status are:

„unknown“
„OK“
„ERROR“
„UserOFF“

Only one of the three values is ever sent.

5.2.4. Examples

The following list of devices was used for the examples:

liste du matériel			
Index	numéro de	Nom de	Alias
1	0x0000	Z000D000	Global_Error_Relay
2	0x0B00	Z011D000	IDN-D-1S-TTZ-TAP-FCC-C001
3	0x0B01	Z011D001	IDN-D-1S-TTZ-TAP-REV-R11B
4	0x0B13	Z011D019	IDN-D-1S-TTZ-TAP-TUR-009
5	0x0B14	Z011D020	IDN-D-1S-TTZ-TAP-TUR-008

Basic Topic: hortig/IDN-Nantes/

5.2.4.1. Zone out of Order

Example 1:

Zone Z011 – No Error:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

Value: ok

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/errorrelay

Value: off

Topic: hortig/CHU-Nantes/Global_Error_Relay/globalerrorrelay

Value: off

Example 2:

Zone Z011 – Zone in Service-Mode:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

Value: Service

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/errorrelay

Value: off

Topic: hortig/CHU-Nantes/Global_Error_Relay/globalerrorrelay

Value: off

Example 3:

Zone Z011 – Zone out of order:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

Value: Error

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/errorrelay

Value: Zone off;

Topic: hortig/CHU-Nantes/Global_Error_Relay/globalerrorrelay

Value: Zone off;

Example 4:

Zone Z011 – one device is out of order – all other devices are ok:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

Value: ok

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/errorrelay

Value: Device-Error;

Topic: hortig/IDN-Nantes/Global_Error_Relay/globalerrorrelay

Value: Device-Error;

Example 5:

Zone Z011 – The set maximum transport time has been exceeded:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

Value: ok

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/errorrelay

Value: Timeout;

Topic: hortig/CHU-Nantes/Global_Error_Relay/globalerrorrelay

Value: Timeout;

Example 6:

Zone Z011 – Zone out of order and a device out of order:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

Value: Error

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/errorrelay

Value: Zone off; Device-Error;

Topic: hortig/CHU-Nantes/Global_Error_Relay/globalerrorrelay

Value: Zone off; Device-Error;

Example 7:

Zone Z011 – Zone out of order and a device out of order:

Zone Z012 – no fault:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/status

Value: Error

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z011/errorrelay

Value: Zone off; Device-Error;

Topic: hortig/CHU-Nantes/BIM_1234_Z012/Z012/status

Value: ok

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-FCC-C001/Z012/errorrelay

Value: off

Topic: hortig/CHU-Nantes/Global_Error_Relay/globalerrorrelay

Value: Zone off; Device-Error;

5.2.4.2. Device out of Order

Example 1:

Device T20 in Zone Z011 is ok:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-TUR-008/status

Value: OK

Example 2:

Device T20 in Zone Z011 is out of order:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-TUR-008/status

Value: ERROR

Example 3:

Device T20 in Zone Z011 was locked by local user:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-TUR-008/status

Value: UserOFF

Example 3:

Device T20 in Zone Z011 has no connection to central controller:

Topic: hortig/IDN-Nantes/IDN-D-1S-TTZ-TAP-TUR-008/status

Value: NC

5.2.5. Last Will of the MQTT connection

In the case that the connection to the broker is unexpectedly interrupted, a 'last will' message is set when the connection is established. This message has the following structure:

For the basic topic 'hortig/IDN-Nantes/', the topic looks as follows:

hortig/IDN-Nantes/will

The text 'connection interrupted' is sent as the value in the user data.

6. Alarm messages from the broker to RT-Win4

To receive messages via MQTT, the MQTT interface subscribes to alarm topics from the broker. This makes it possible to trigger alarms in the Alarm Manager via the broker and the MQTT interface. The general part of the alarm topic is set in the RT-Win4-MQTT app. This text corresponds to the subscription with the broker.

Alarm Topic:

hortig/IDN-Nantes/Alarm/#

Note:

In order to receive the alarm messages correctly, the set alarm topic must end with "/"#" in accordance with the MQTT standard.

6.1. Format of alarm messages from the broker

In order to enable RT-Win4 to trigger various alarms, the alarm topic must be expanded to include an alarm text from the alarm list of the MQTT app.

List of Alarms	
Alarm-Nr.	Alarm-String
1	Alarm Building A
2	Alarm Building B
3	Alarm Building C
4	Alarm Building D
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	

For the alarm topic "hortig/customer name/alarm/#", the topic looks as follows:

hortig/customer name/alarm/Alarm-String

To activate an alarm, the value 'on' must be sent in the user data of the message. All values other than 'on' deactivate the alarm.

Example 1:

If you want to trigger alarm number 3 shown in the image with the alarm text "Alarm Building C", the topic is:

hortig/customer name/alarm/Alarm Building C

The alarm is activated with the value "on". If the value is "off", for example, the alarm is deactivated.

Exampel 2:

Triggering of an attack alert at CHU-Nantes. The alert topic was set to "hortig/CHU-Nantes/Alarm/#".

Alarm Topic:
hortig/IDN-Nantes/Alarm/#

The alarm text 'GlobalOff' has been set for alarm number 1.

Liste d'alarmes	
N°	Texte d'alarme
1	GlobalOff
2	

If this alarm is to be triggered, an MQTT message with the following content must be sent to the broker:

Topic: Hortig/IDN-Nantes/Alarm/GlobalOff

Value: on

To stop the alarm, send the value "off" using the same topic.

The alarm values are forwarded to the RT-Win4 alarm manager. This can then perform various actions, such as stopping one or more zones, sending an email, opening a pop-up window with a warning message on one or more RT-Win clients, or switching the control outputs of the pneumatic tube control system.

Alarms can be reset in the alarm manager automatically when the alarm is cleared in MQTT, or manually within the alarm manager.

Examples of actions:

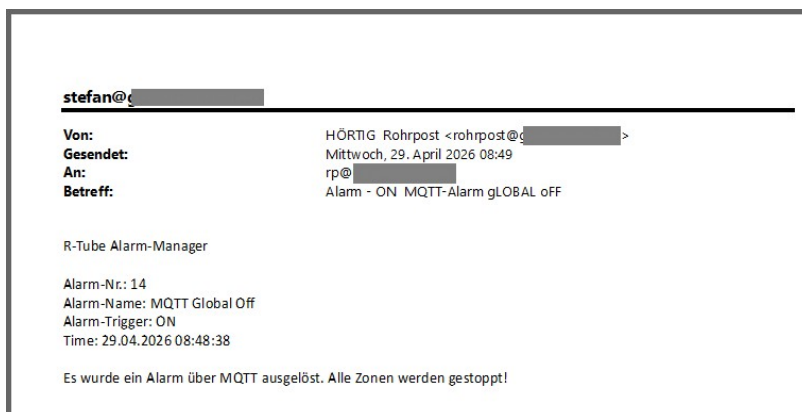
Pop-up window on the RT-Win4 client:



Zone stopping:

A screenshot of a software window titled "Etat du système". The window has a green header bar with a close button (X). Below the header, there are two tabs: "Ereignisanzeige" (selected) and "FCC-Anzeige". The main content area shows the status of "Zone: 11". It includes a section "Etat de la zone" with a green bar labeled "Alarme" and a value of "0" in a green box. Below this, there are fields for "Erreur Nr : Erreur :" (0) and "OK", and "Alarme Nr : Alarme :" (44) and "ALARME!". A section titled "Erreur relais :" lists four relays: "Relais 1 : Zone à l'arrêt" (with a red warning triangle icon), "Relais 2 : Erreur Appareil" (with a green checkmark), "Relais 3 : Temps de transport trop long" (with a green checkmark), and "Relais 4 : Non utilisé" (with a green checkmark). At the bottom, there are three buttons: "Arrêt après envoi", "Arrêt maintenant", and "Redémarrage".

Example of an email:



6.2. Settings in the Alarm Manager

If the RT-Win4-MQTT interface receives an alarm from the broker, an alarm is triggered in the alarm manager (ALMA).

Rt-Win4 - Alarme Manager V 4.20.1.530 beta16/4/15/570 • Connexion hôte

Nr.:	Actif	Nom Alarme	Type d'alarme	Etat du	Reset CC-Alarm
0	☐	Abschaltung Zone 11-19	Etat zone/Erreur relais	Déclencheur inactif	
1	☐	Abschaltung Zone 20-29	Etat zone/Erreur relais	Déclencheur inactif	
2	☐	Abschaltung Zone 30-39	Etat zone/Erreur relais	Déclencheur inactif	
3	☐	Feuer	Entrée carte	Déclencheur inactif	
4	☐	BMZ - Störung	Entrée carte	Déclencheur inactif	Reset
5	☐	Popup-Test	Entrée carte	Déclencheur inactif	
6	☐	Popup2 - Err-Relais	Etat zone/Erreur relais	Déclencheur inactif	
7	☐	Popup3 - Zonenstatus	Etat zone/Erreur relais	Déclencheur inactif	
8	☐	Popup CC-Alarm	CC-Alarme	Déclencheur inactif	
9	☐	Zyto-Alarm	Entrée carte	Déclencheur inactif	
10	☐	Email-Test	Etat zone/Erreur relais	Déclencheur inactif	
11	☒	Test-BMZ	CC-Alarme	Déclencheur inactif	
12	☒	BMZ Feueralarm	CC-Alarme	Déclencheur inactif	
13	☒	NET Power	Entrée carte	Déclencheur inactif	
14	☒	MQTT Global Off	MQTT	Déclencheur inactif	

Neuer Alarm Alarm löschen

11	☒	Test-BMZ	CC-Alarme	Déclencheur inactif
12	☒	BMZ Feueralarm	CC-Alarme	Déclencheur inactif
13	☒	NET Power	Entrée carte	Déclencheur inactif
14	☒	MQTT Global Off	MQTT	Déclencheur actif

In ALMA, the value 'MQTT' must be selected for the trigger type in the trigger settings of the alarm.

Alarm Trigger Type

MQTT

None

On CC-Alarm

On Card-Input

On Zone-State/Error-Relay

MQTT

The alarm number from the MQTT app must be specified as the alarm trigger.

Alarm Trigger

MQTT Alarm Nr-4

MQTT Alarm Nr-1

MQTT Alarm Nr-2

MQTT Alarm Nr-3

MQTT Alarm Nr-4

MQTT Alarm Nr-5

MQTT Alarm Nr-6

MQTT Alarm Nr-7

MQTT Alarm Nr-8

Edit Alarme

Paramètre Général

N°: 14 ☒ Actif
Nom Alarme
MQTT Global Off
Intervalle [Minutes]
0

Paramètre déclencheur

Type d'alarme
MQTT
Déclencheur alarme
MQTT Alarm Nr-1
Numéro d'appareil
--- --- Etat actif
--- ---

Zone-Liste

☐ Z1	☐ Z25	☐ Z49	☐ Z73	☐ Z97	☐ Z121	☐ Z145	☐ Z169
☐ Z2	☐ Z26	☐ Z50	☐ Z74	☐ Z98	☐ Z122	☐ Z146	☐ Z170
☐ Z3	☐ Z27	☐ Z51	☐ Z75	☐ Z99	☐ Z123	☐ Z147	☐ Z171
☐ Z4	☐ Z28	☐ Z52	☐ Z76	☐ Z100	☐ Z124	☐ Z148	☐ Z172
☐ Z5	☐ Z29	☐ Z53	☐ Z77	☐ Z101	☐ Z125	☐ Z149	☐ Z173
☐ Z6	☐ Z30	☐ Z54	☐ Z78	☐ Z102	☐ Z126	☐ Z150	☐ Z174
☐ Z7	☐ Z31	☐ Z55	☐ Z79	☐ Z103	☐ Z127	☐ Z151	☐ Z175
☐ Z8	☐ Z32	☐ Z56	☐ Z80	☐ Z104	☐ Z128	☐ Z152	☐ Z176
☐ Z9	☐ Z33	☐ Z57	☐ Z81	☐ Z105	☐ Z129	☐ Z153	☐ Z177
☐ Z10	☐ Z34	☐ Z58	☐ Z82	☐ Z106	☐ Z130	☐ Z154	☐ Z178
☐ Z11	☐ Z35	☐ Z59	☐ Z83	☐ Z107	☐ Z131	☐ Z155	☐ Z179
☒ Z12	☐ Z36	☐ Z60	☐ Z84	☐ Z108	☐ Z132	☐ Z156	☐ Z180
☒ Z13	☐ Z37	☐ Z61	☐ Z85	☐ Z109	☐ Z133	☐ Z157	☐ Z181
☒ Z14	☐ Z38	☐ Z62	☐ Z86	☐ Z110	☐ Z134	☐ Z158	☐ Z182
☒ Z15	☐ Z39	☐ Z63	☐ Z87	☐ Z111	☐ Z135	☐ Z159	☐ Z183
☒ Z16	☐ Z40	☐ Z64	☐ Z88	☐ Z112	☐ Z136	☐ Z160	☐ Z184
☒ Z17	☐ Z41	☐ Z65	☐ Z89	☐ Z113	☐ Z137	☐ Z161	☐ Z185
☒ Z18	☐ Z42	☐ Z66	☐ Z90	☐ Z114	☐ Z138	☐ Z162	☐ Z186
☒ Z19	☐ Z43	☐ Z67	☐ Z91	☐ Z115	☐ Z139	☐ Z163	☐ Z187
☐ Z20	☐ Z44	☐ Z68	☐ Z92	☐ Z116	☐ Z140	☐ Z164	☐ Z188
☐ Z21	☐ Z45	☐ Z69	☐ Z93	☐ Z117	☐ Z141	☐ Z165	☐ Z189
☐ Z22	☐ Z46	☐ Z70	☐ Z94	☐ Z118	☐ Z142	☐ Z166	☐ Z190
☐ Z23	☐ Z47	☐ Z71	☐ Z95	☐ Z119	☐ Z143	☐ Z167	☐ Z191
☐ Z24	☐ Z48	☐ Z72	☐ Z96	☐ Z120	☐ Z144	☐ Z168	☐ Z192

Actions

Sortie de Carte
Numéro d'appareil

CC
Sortie Nr:
M-0
☐ Hi-Actif

Zone-Alarme
Type Alarme
ALARME!
Mode d'arrêt
Arrêtez MAINTENANT
Start-Modus
Automatique

@
Adresse e-mail
rp@griesshammer.cc
Objet
MQTT-Alarm gLOBAL oFF
SMS
Es wurde ein Alarm über MQTT ausgelöst. Alle Zonen werden gestoppt!

Fenêtre Message
Message
MQTT-Alarm Global Off
Arrière-plan Police-couleur **Exemple de couleur**
1/4 Taille Fenêtre ☒ Confirmation-aut

Liste-Client

Actif	Client-ID	IP-Adresse
☒	248F7A92340FAEA7	
☒	24F8BD22438FD960	
☒	267A859849F87134	
☒	24F481124F8FD55C	
☒	12640323E061B461	
☒	12605773E431B035	127.0.0.1
☒	12605773E431B039	

Annuler

Appliquer

Depending on the alarm settings, various actions are executed when the alarm is triggered (stop the zone, display a warning message on the PC, etc.).

See also U10 R-Tube4 User Manual 4.10.5.2 (Page 128)

7. Support Info

For questions contact Technical Service:

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