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MQ03-LTE-M-EN54

Commercial Fire Alarm Communicator
with Dial Capture interface

Quick Installation Manual

Wiring the Communicator to the Alarm Panel

- (+) ↔ 12-29V DC Power Supply
- (-) ↔ Ground
- IN1 ↔ to fire trouble relay output
- IN2 ↔ to fire alarm relay output
- IN3 ↔ to supervision alarm relay output
- IN4 ↔ to water flow alarm relay output
- OUT1 ↔ Open collector output (300mA) for optional control of external devices
- OUT2 ↔ Open collector output (300mA) for optional control of external devices
- RING ↔ RING (to the dialer of the alarm panel)
- TIP ↔ TIP (to the dialer of the alarm panel)

- ✓ **WARNING:** The wiring should be done only when the panel and the communicator are disconnected from the powerline!
- ✓ **WARNING: Primary use only – NOT to be used with a landline!**
Having a phone line connected will damage the unit!
- ✓ Connect the antenna and place it outside of the alarm panel's box.
- ✓ Connect + and – of the communicator to a max of 12V - 29V DC power supply.

LED Indicator

- ✓ Slow flashing – trying to establish a connection
- ✓ Constantly On – connection established at good signal level
- ✓ Constantly On, blinking every 5 sec. – connection established at low signal level
- ✓ Fast flashing – transferring data

Configuring the alarm panel

Refer to the panel's installation manual to configure the following options:

- ✓ Enable the PSTN dialer of the panel.
- ✓ Select Contact ID, SIA or Pulse 4+2* format.
- ✓ Enter a telephone number for dialing (you can use any number, e.g. 9999999).
- ✓ Enter a 4-digit account number in the panel.

Troubleshooting

In case of issues with receiving the events, try the following additional settings of the panel:

- ✓ Disable the "Wait for dial tone" option.
- ✓ Use "A" instead of "0" in the account number.
- ✓ If there is more than one partition, enter an account number for each partition.

Default configuration of the digital inputs and outputs

Default configuration of the digital inputs and outputs

- IN1 – Preconfigured as Fire Trouble input (ContactID E 373)
- IN2 – Preconfigured as Fire Alarm input (ContactID E110)
- IN3 – Preconfigured as Fire Supervisory input (ContactID E200)
- IN4 – Preconfigured as Water Flow Alarm input (ContactID E113)
- OUT1 - Preconfigured to activate for 1000ms when triggered
- OUT2 - Preconfigured to activate for 1000ms when triggered

**Pulse Format should be configured additionally in the M2M Administrative platform*

Changing the preconfigured event codes on the digital inputs

Changing the ContactID messages from the RControl Administrative website:

- ✓ Open "Device Dashboard" and navigate to "Advanced Settings"
- ✓ Check the "Enable Online Settings" checkbox and press "Get Current Settings" (the device should be powered and connected)
- ✓ Change the settings of the digital inputs from the "Pins" section
- ✓ Click "Save" to apply the changes.

Changing the ContactID messages from the RControl Admin App:

- ✓ Go to the "Settings" tab and navigate to "Advanced Settings"
- ✓ Enable "Editing" to Get Current Settings (the device should be powered and connected)
- ✓ Change the settings of the digital inputs from the Inputs section
- ✓ Click "Save" to apply the changes.

Configuring the digital outputs

Output configuration options:

- ✓ OUT – momentary impulse output (available for OUT1 & OUT2)
- ✓ LATCHED – a latched high/low level output (available for OUT 1)

The configuration of the outputs can be changed from the RControl Administrative website and the RControl Admin App – **Advanced Settings Menu**.

The outputs can be configured to send Contact ID events upon status change.

End-user RControl mobile application

With the RControl application the end-users can:

- ✓ Trigger the digital outputs to control external equipment
- ✓ Monitor the current status of the communicator
- ✓ Get real-time notifications
- ✓ View events log up to one year back in time

RControl App (end user) Credentials

Download the **RControl** mobile application on your Android or iOS device by scanning the QR codes.

