M2M SERVICES SIMPLICITY. APPLIED.

MX03-LTE-M-LAN-EN54

Commercial Fire Alarm Communicator
Installation Manual Quick Guide

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
IN5 ↔ to fire alarm relay output
IN6 ↔ to fire alarm relay output

**By default, 10 KΩ resistors are required to close each loop*

OUT1 ↔ Open collector output (300mA) for optional control of external devices
OUT2 ↔ Open collector output (300mA) for optional control of external devices
NC, C, NO ↔ Relay Output - for communication trouble(local annunciation)
DAT1, DAT ↔ For serial communication with the supported panels via ESPA protocol

TEF Wiring:

MX03 DAT1 ↔ TEF J-NET-INT-RS232 PCB, Tx Terminal
MX03 DAT2 ↔ TEF J-NET-INT-RS232 PCB, Rx Terminal

C-TEC Wiring:

MX03 DAT1 ↔ C-TEC RS232 Port, Tx Terminal
MX03 DAT2 ↔ C-TEC RS232 Port, Rx Terminal

WARNING: The wiring should be done only when the panel and the communicator are disconnected from the power line!

- ✓ 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.

Connecting the communicator to the LAN network (Optional)

- ✓ Connect the device to a DHCP enabled router via an Ethernet cable.
- ✓ It will automatically get a dynamic IP address
- ✓ External IP address or router port redirections are NOT needed.

Default Configuration of the Supervised Inputs

By default 10KΩ resistor is required to close each loop.
Detailed instruction is available on support.m2mservices.com

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)
IN5 – Preconfigured as Fire Alarm Input (ContactID E 110)
IN6 – Preconfigured as Fire Alarm Input (ContactID E 110)

Default Configuration of the Outputs

OUT1 - Preconfigured to activate for 1000ms when triggered.
OUT2 - Preconfigured to activate for 1000ms when triggered.
NO, C, NC - Preconfigured to activate when the device went offline.

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Changing the Serial Connection of the Device

The Device Supports TEF and C-TEC fire alarm panels via ESPA protocol.
To enable the serial port of the device, navigate to the M2M Dealer Portal:

- ✓ 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 into the "Events" section for the corresponding panel
- ✓ Click "Save" to apply the changes.

Changing the preconfigured event codes on the digital inputs

Changing the ContactID messages from the M2M Dealer Portal:

- ✓ 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.

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

[redacted]

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

Manufactured by Residence Control ltd.
1 Kukush str., building M8
Sofia, Bulgaria
Conforms to EN54-21:2006
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