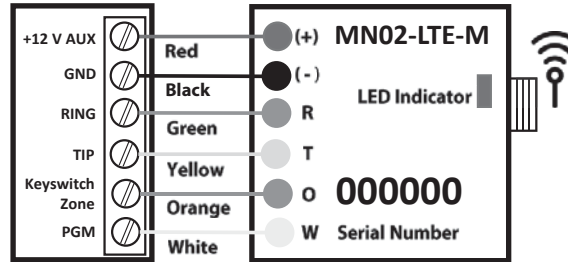


## Wiring the Communicator to the alarm panel

- Red (+): → 12-15V DC Power Supply
  - Black (-): → Ground
  - Green (R): → RING
  - Yellow (T): → TIP
  - Orange (O): → to Keyswitch zone\*
  - White (W): → to Armed status output\*
- \* for the optional Interactive features



- ✓ **WARNING:** The wiring should be done only when the panel and the communicator are disconnected from the powerline!
- ✓ Connect the RING and TIP of the alarm panel to the RING and TIP of the unit.
- ✓ **WARNING: Primary use only – NOT to be used with 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 - 15V DC power supply.

## Find configuration guides for popular panels at

<https://www.shieldtechsecurity.com/support/m2m>

## LED Indicator

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

## Configuring the alarm panel

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

- ✓ Enable the PSTN dialer of the panel.
- ✓ Select DTMF mode (Tone dialing).
- ✓ Select Contact ID Full communication format or SIA.
- ✓ Enter a telephone number for dialing (you can use any number, e.g. 9999999).
- ✓ Enter a 4-digit account number in the panel.

## Troubleshooting the DTMF communication

If you have issues receiving the events, try the following additional settings of the panel:

- ✓ Disable "Telephone line monitoring".
  - ✓ Disable "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.
- For certain panels, you might need also to specify an account number for the main partition 0 (sometimes referred as system number).



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## MN02-LTE-M Quick Installation Manual



### RControl App credentials:

#### Events reporting to end users via a smartphone

- ✓ Subscribe to app service at [www.shieldtechmonitoring.com](http://www.shieldtechmonitoring.com)
- ✓ Download the RControl mobile application on your Android or iOS device from the links (QR codes) below.
- ✓ Login with your assigned username and password.

With the **RControl** mobile application the end user can:

- ✓ Monitor the current status of the alarm panel
- ✓ View events log up to one year back in time
- ✓ Remotely Arm/Disarm the alarm system (optional)

#### Remote Arming/Disarming (Optional)

To enable the optional remote Arming/Disarming from a smartphone, please configure the alarm panel according to the following guidelines:

- ✓ Configure a zone as a momentary keyswitch (refer to the panel's installer manual).
- ✓ Connect the orange wire (O) of the communicator to the momentary keyswitch zone.
- ✓ Configure a PGM output of the panel to activate (switch to ground), when the panel is armed, and to deactivate, when disarmed (refer to the panel's installer manual).
- ✓ Connect that PGM to the white wire (W) of the communicator.
- ✓ For panels that don't have a status PGM the status can still be received through the OPEN/CLOSE reporting.

**Guidelines for configuring the keyswitch and the output for popular panels are available at <https://www.shieldtechsecurity.com/support/m2m>**

#### Initial pairing procedure:

- ✓ Enable Open/Close reporting (at least during the initial pairing procedure).
- ✓ Enable the Arming/Disarming feature from the Settings menu of the RControl mobile app.
- ✓ Ask the end user(s) to enter a Remote PIN code of his/her/their choice.
- ✓ Disarm (or Arm) from the keypad within 2 minutes to complete the pairing.

#### RControl App download links:

