

Testing results

FM device: Trace5-LTM 1-wire device model: EC-19521, TC-261048, DC-51145

Decoding:

1. After you connect 1-wire device open “Advanced configurator” and go to I/O events.
2. In I/O events settings you need to enable IO “iButton”.
3. Use the “Advanced configurator” and tool “LIVE IO data” to verify the value of the 1-wire.
4. Take your 1-wire device, enter any ID/PIN (123456), and press the star(*).
5. After you have entered your ID/PIN, the coded value should be visible in iButtons IO “LIVE IO data” section (0x0140E2010000009E)

6. DATA received:

0140E2010000009E

01 – iButton protocol family ID

9E – CRC

40E201000000 – iButton value

6. Change to reverse byte order:

00 00 00 01 E2 40

7. Decode HEX to DEC:

123456