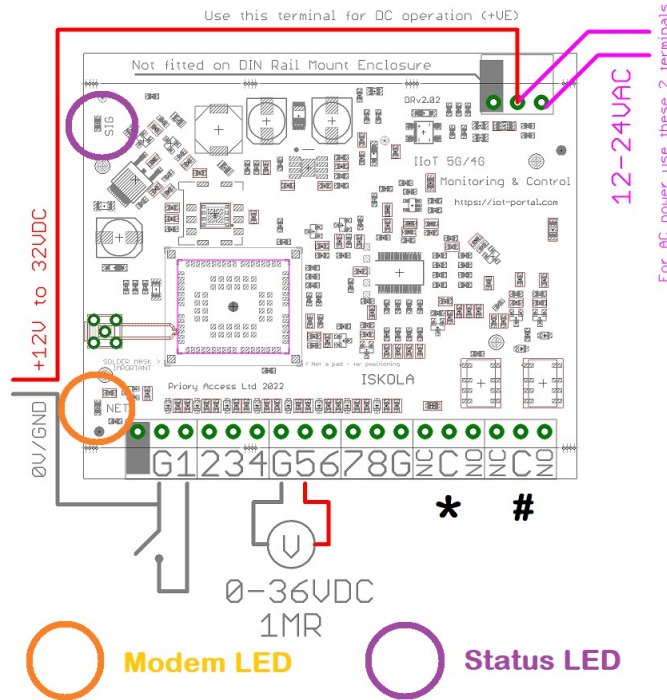


Revision: 1.01
Hardware Note: HN0101 – DIN Rail LED Description

Applicable Models: Priory Access DRxxx, TRxxx

LED Description

There are 2 LEDs fitted to the DIN rail mount 8-input 2-output PCB. One is connected directly to the modem (Quectel Models BG95, EG915, and EG91) and the other is controlled by the onboard microcontroller controlled by the device firmware. The behaviour of the modem LED is unaffected by firmware release. The Status LED changed on firmware release 8.01R020.



Status LED

This LED has two modes on firmware later than 8.01R020. It will flash when the device is not registered or not connected to the portal and will remain solid once the device is registered on the network and is ready to connect to the portal.

On models with removable SIM cards, this LED will flash rapidly if there is a physical problem with the SIM card.

On earlier firmware releases, it can be assumed patterns displayed on this LED are meaningless.

Modem LED

The modem LED on **BG95 IoT models ('5G', DR5xx, TR5xx etc...)** and **EG91 models (DR4/4G firmware 8.01)** will flash on and off with equal on and off periods whilst searching for a network connection. The frequency is about once per second. Once a network has been acquired, the LED will light almost continuously with brief interrupts every 1-2s.

Flicker slowly (200 ms High/1800 ms Low) Network searching

Flicker slowly (1800 ms High/200 ms Low) Idle

Flicker quickly (125 ms High/125 ms Low) Data transfer is ongoing

If this LED is extinguished, it is likely the device is rebooting. If it remains extinguished for a long period, check the power to the device.

On **EG915 models (DR4/4G firmware 8.02)** the modem LED flickers on every 2s when searching for a network and flashes on and off twice per second once a network has been acquired:

Flicker slowly (200 ms high/1800 ms low) Network searching

Flicker quickly (234 ms high/266 ms low) Idle

Flicker rapidly (62 ms high/63 ms low) Data transfer is ongoing

If this LED is extinguished, it is likely the device is rebooting. If it remains extinguished for a long period, check the power to the device.

Limitations (N/A)

Security (N/A)

Threats to Existing Installations and Recommended Testing (N/A)