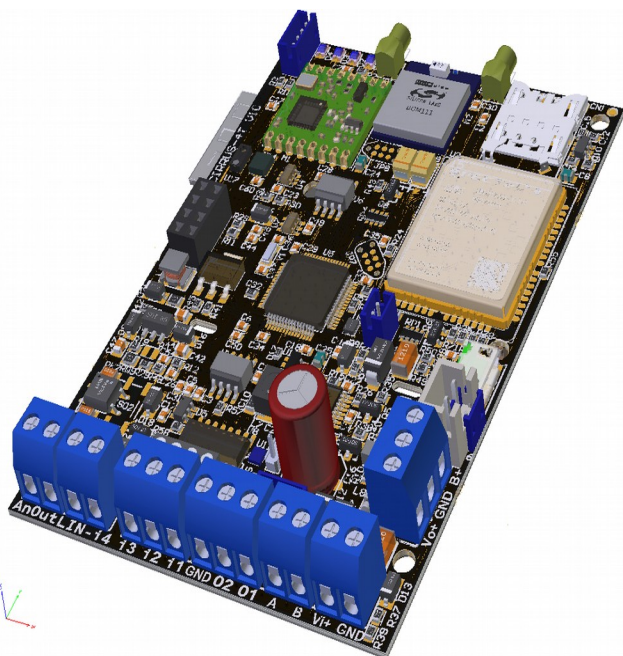


NUVASAFE

CIRRUS-4T ALARM TRANSMITTER SERIES



- The only triple path alarm transmitter in the market.
- **anti-jamming** by means of LORA.
- **Certified** alarm transmitter at grade 3
- DP4 as per EN50136-2
- Y type as per EN50131-10
- Connection with alarm control panel by means of Input / Output / PSTN simulation and Serial channel in certain models
- **Bidirectional** with alarm control panel by means of Virtual model or Virtual comport
- State of the art **cloud system**, for configuration and monitoring of the devices.
- **Global SIMCARD VPN** included
- extended **IOT** control, datalogging and monitoring functions, unique in the market



Models

- **CIRRUS-GLW:** Triple path ATS with WIFI + GPRS + LORA.
- **CIRRUS-GL :** Dual path ATS with GPRS + LORA.
- **CIRRUS-TL :** Dual path ATS with GPRS + NB-IOT + LTE-M1 + LORA
- **CIRRUS-GLE:** Triple path ATS with ETHERNET + GPRS + LORA
- **CIRRUS-L,** Single path transmitter only LORA where this network exist, **it is compatible with existing GPRS ATS's**
- **EBF-CIRRUS-GLW :** Triple path ATS with housing and power supply, available on demand.
- **B-CIRRUS-GLBW –** Triple path Alarm **control panel** with housing and power supply, with bluetooth sensors, available on demand..

Technical features

- 3 input NO / NC / EOL.
- Two open drain output
- PSTN simulation with RING and 40V biasing.
- 6 a 16Vdc input voltage
- **Very low consumption: 20mA average.**
- Tetra band GPRS modem
- Modem WIFI 802.11g
- **LORA** radio transceiver with NIOT-MESH and LORAWAN.
 - band 868-870 Mhz.
 - Nominal : 869.525Mhz / 17dBm
 - Frequency hopping.

Bi-directional

- The device can establish bi-directional communication with the associated control panel by means of Virtual modem simulation (VMODEM) or Virtual Comport simulation (VCOM) the integrated and tested control panels are:

- **VMODEM:** Ademco Vista, Paradox MG/SP/EVO, DSC PX16xx, Texecom Premier, Network NX, Napco XP/Gemini, Bosch AMAX/DS/ICP

- **VCOM:** RISCO AGILITY/PROSYS , PARADOX MG/SP/EVO, Honeywell Galaxy, for VCOM it is need an accessory cable..

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WIRELESS RADIO

where available there is option for LORAWAN low power radio tracker.

INNOVATIVE FEATURES:

In combination with other devices of Nuvathings ecosystem, a full range of IOT and industry 4.0 system can be achieved with options for:

- BLE asset tracking
- EDGE alarm triggers processed in the device.
- GPS machinery trackers.
- Cold chain monitoring
- Security and access control.
- Custom devices available on request.

For more information on any of our products or services please visit us on the Web at:

www.nuvasafe.com

www.nuvathings.com

or contact us at:

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info@nuvasafe.com

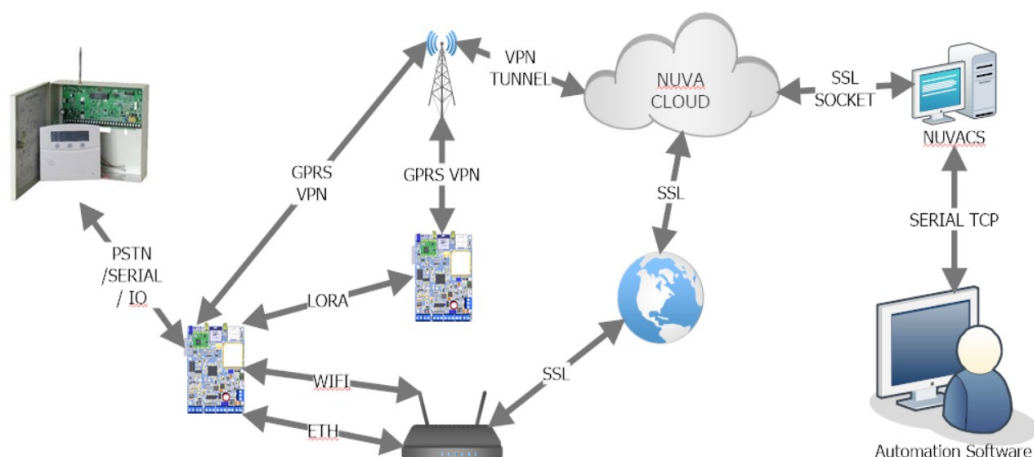
LORA – MESH network mode

- The CIRRUS alarm transmitters can transmit over 4 different paths, integrating in a single device up to 3. The devices form a LORA-MESH network between each other, this network it is full bidirectional without need for configuration and its management it is carried from cloud, Lora coverage can be checked in a Google maps view with heat maps.
- The LORA transmission provides the **anti-jamming** function, and even more, it provides an extra safety for the communications against GPRS or LAN polling failures.

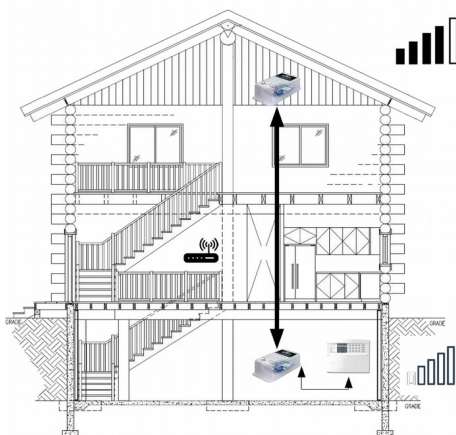
LORAWAN network mode

The mesh network connection between devices provides the best option for bi-directionality and anti-jamming, nevertheless, where LORAWAN networks are available the devices might be connected to them.

CIRRUS 4T and NUVA CLOUD SERVER TRANSMISSION SYSTEM



Pack DUO



- The picture shows a very common case and illustrate how LORA-MESH can solve issues, you've a control panel in a parking under ground level where the GPRS and WIFI are weak.
- This situation yields to a lot of communications failures, and today's solution would need to wire an external antenna.
- By installing a second device you can solve this issue and provide a extra link to your control panel, also the extra device would serve for other devices in the neighborhood.



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