



ARM-IO ATEX Modem Radio 868MHz

Protection mode:

Type of protection: II 2GD EEx d IIC / Ex td A21
 Class of temperature: T6-T4
 Protection degree: IP66
 Ambient Temp : -20 / +40°C
 Zones : 1-2-21-22



Description:

ARM-IO Radio modem for hazardous area. Body in aluminium alloy IP66. This product may use for wireless return informations in industrial environments. Installation in ATEX zones 1, 2 for gas type IIC, 21 or 22 for dust.

Technical datas :

ARM-IOS (Serial)

- Serial transmission transparent mode or secure, buffer 250 octets
- Serial link outflow: 1200bps to 115000bps
- AT command configuration

ARM-IOD / -IOA / -IOP / -LP (Digital / Analogique / PT100 / Low Power)

- Mirror mode (LBT Listen Before Talk + change channel automatically)
- Slave mode Modbus
- Sensor mode, on alarm activation

COMMONS CHARACTERISTIC

- Possibility to configure per radio with an ARM-SE
- Repeat routing mode.

Connections :

Connections per terminals 6 points 2.54mm

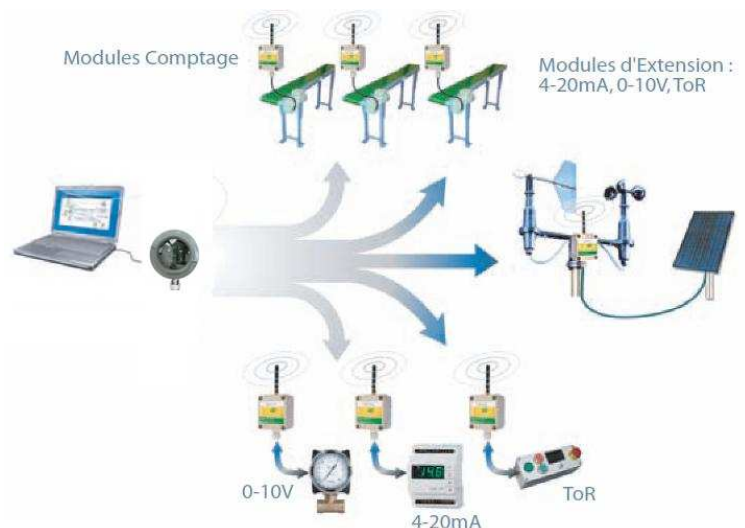
- S: 1 port RS232 RxD TxD +1 port RS485 2 A/B thread
- D: 1 entry (bool or counter 100Hz max), 1 output ToR
- A: 1 entry 4-20mA or 0-10V + 2 entries ToR
- P: 1 entry for temperature sensor PT10

Version -LP (Low Power):

- D-LP: 2 entries ToR
- A-LP: 2 voltage entries 0-2.5V + 1 output PNP (sensor supply)
- Connection per M12-4 points (waterproof) [0V - IN1 - IN2 - OUT1]

Automatically configuration (+ "expert" mode per radio)

Technical drawing:



RF Radio Interface:

Bande 868-870MHz, 1 - 25mW (0-14dBm)
 GFSK Modulation
 Radio speed: 19 200 bps NRZI
 16 configurable channels per soft or automatically.
 Sensibility in reception : -102 dBm @ 9600bps