

Radio transmission



PROENGIN has developed 2 radio modules to transfer information of a chemical detector like AP2C, AP2Ce, TIMs or AP4C up to 400 metres, wireless:

- The RECEPTION DRAWER (M661 E20 000) fitting in lieu of the detector battery drawer.
- The RADIO INTERFACE (M661 E50 000) can be equipped with:
 - an alarm deport box (not included in the kit)

or

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- an interface drawer for the RS232 or RS485 connection to a computer (PC type) equipped with a software displaying the data for only one detector (not included in the kit).

or

- an interface drawer for the RS232 or RS485 connection to a computer (PC type) equipped with a software connected with a network of detectors (not included in the kit).

These equipments are not included with the Radio interface.

Nota : The Reception drawer and the Radio interface are not delivered with computer and software

Technical specifications

The MODBUS data of the bidirectional link between the detector and the receptor are transformed

in Manchester code to a 20 Khz frequency. The transmission speed is of 9600 bauds.

Switches

allow to choose among 5 frequencies between 868 to 870 Mhz. The emission power is 14 dbm

(25 mw) and the sensitivity is -102 dbm.

Characteristics

Dimensions de l'étui radio (Lxlxh en mm) : 188x88x60 + antenne 90

Masse du tiroir radio (sans piles) : 280 gr

Masse de l'étui radio : 400 gr

Tension d'alimentation : 5,5 à 7,5 Vdc (Pile 2LSH20GP ou Bloc alim. rechargeable)

Gamme de température de fonctionnement: -20 °c à + 55°c

Normes EN300220 et EN301489

Reception drawer size (Lxlxh in mm): 160x88x60 + antenna 90

Radio interface size (Lxlxh in mm): 188x88x60 + antenna 90

Reception drawer weight (without batteries): 280 gr

Radio interface weight: 400 gr

Power supply: 5,5 to 7,5 Vdc (Battery 2LSH20GP or rechargeable battery)

Operating temperature range: -20 °C to + 55°C

Standards EN300220 and EN301489

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