

## 2G MODEM PLUG-IN MODULE

This internal modem module is specially designed for Datakom D-XXX MK2 controller series. And can be used for wireless generator remote monitoring and control purposes.

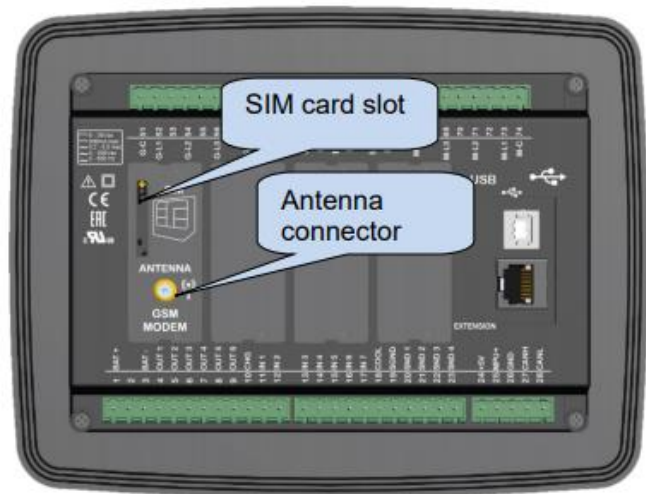
The device offers the advantage of being internally powered and is fully compatible with the unit. It does not require any special setup.

The 1800/1900 MHz magnetic antenna together with its 2-meter cable is supplied with the internal modem module. The antenna is intended to be placed outside of the genset panel for the best signal reception.

The module view:



D-500 Controller rear side view:



The module requires a GPRS enabled SIM card for full functionality. Voice-only type SIM cards will usually not function properly.

Please refer to **GSM Modem Configuration Guide** for more details.

### Description:

- Quad-band GSM/GPRS 850/900/1800/1900MHz module.
- GPRS multi-slot class 12/12
- GPRS mobile station class B
- Compliant to GSM phase 2/2+.
  - Class 4 (2 W @ 850/ 900 MHz)
  - Class 1 (1 W @ 1800/1900MHz)

**Functionality:** Web Client, SMTP, Modbus TCP/IP (client), SMS, e-mail

**Operating temp range:** -40°C to +85 °C

**Data speed:** Max. 85.6 kbps (download), 42.8 kbps (upload)

**SIM card type:** external SIM 3V/1.8V, GPRS enabled

**Antenna:** Quad band, magnetic, with 2m cable

**Module certificates:** CE, FCC, ROHS, GCF, REACH

### LOCATION DETERMINATION VIA GSM

The unit determines automatically the geographical position through the GSM network. No settings are necessary for this.

This feature is especially useful for the remote monitoring where the controller will appear automatically at its geo-position or for mobile gensets.

Although the controller supports also GPS location determination for more precise positioning, the GSM based location is free of charge, available everywhere, even where GPS signal is not available.



**The location precision will depend of the GSM system. In highly populated areas, the precision is good (a few hundred meters), but rural areas may lead to errors of a many kilometers.**