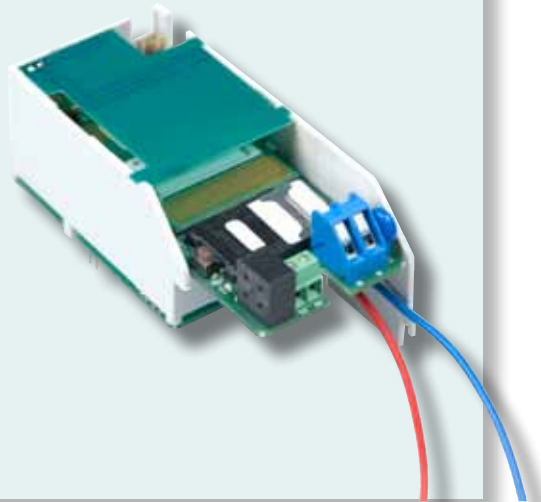


GSM6i Module

DATA SHEET

- **Fast and efficient remote reading of Kamstrup electricity meters 162/382/351**
- **Transparent or data logger functionality**
- **Dual band 900 MHz and 1800 MHz**
- **9600 bit/sec. data communication via GSM data channel**
- **Easily inserted into the module area of the meter (Plug and Play)**
- **10 days back-up on the real time clock**
- **Tariff and load control**
- **Meter reading via SMS**
- **LED bar for signal strength indication**



Application

The GSM6i module is typically used as a datalogger module in the Kamstrup meters or as a transparent communication module in the PLC Concentrator.

The GSM6i module is also very suitable for isolated metering points with poor radio coverage as well as in areas that are difficult to access.

The GSM6i module makes central upload of new features possible, e.g. new tariff switch times.

The module has an integral real time clock (RTC), status/pulse input, load profile, daily/weekly/monthly logger, event logger and relay output for load control.

The GSM6i module can be configured to operate as a transparent unit or with logger functionality.

In connection with configuration of the electricity meter the pulse input can be changed into being a status input and can be read via SMS.

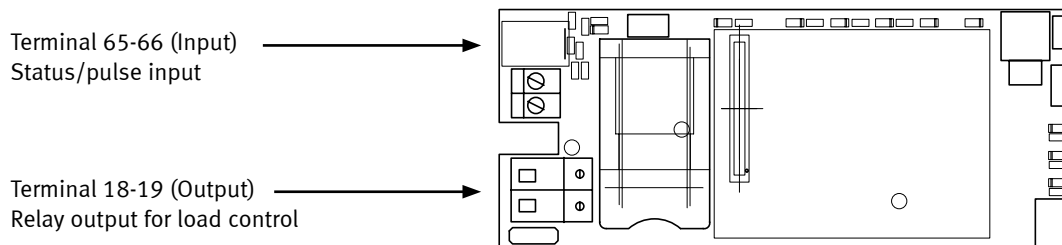


GSM6i Module

DATA SHEET



Connection diagram



Technical data

GSM

GSM 900-1800 MHz Phase II +

Class 4 900 MHz, 2 W

Class 1 1800 MHz, 1 W

Antenna Dual band PCB antenna with MCX connector for external connection

Communication 9600 bits/sec.

Protocol V.110 with CRC check sum

GPRS Class 8, class B

Electrical data

Supply Supplied from the electricity meter via cables

Power consumption
– idle < 0.5 W

– transmission < 2.2 W

RTC accuracy 20 ppm

RTC backup Min. 10 days

Load profile 5/15/30/60 minutes

Logging depth 3/11/22/45 days

Daily logger, depth 45 days

Weekly logger, depth 45 weeks

Monthly logger, depth 45 months

Event logger, depth 64 events (shortest recordable cutoff is 2 min.)

Tariff switch 2 tariff switches + 30 optional days

Load control 230 VAC, 100 mA (Solid state)

Status/pulse input (potential-free)

Fixed limits

When configured	Normal	Fast
Cable length, max.	20 m	20 m
Cable capacity, max.	100 nF	10 nF
Leak current contact, max.	0.5 uA	0.5 uA
Frequency, max.	0.5 Hz	16.6 Hz
Pulse duration, min.	1 sek.	10 ms
Pulse duration, max.	1 sek.	90 ms
Pulses in before display reading changes	1	8

Mechanical data

Dimension (wxhxd mm) 41x93x41

Temperature, storage -40°C +60°C

Temperature, operation -40°C +60°C

Relative humidity < 95%, not condensing

Installation Inserted into the module area of the electricity meter

Density IP51 mounted in the electricity meter

Marking/approvals

CE mark

EN61600-6

EN62052-11

CTR 19,20,31,32

EMS

Electricity meter approval

GSM approval

Ordering

GSM6i

681X-XXXX