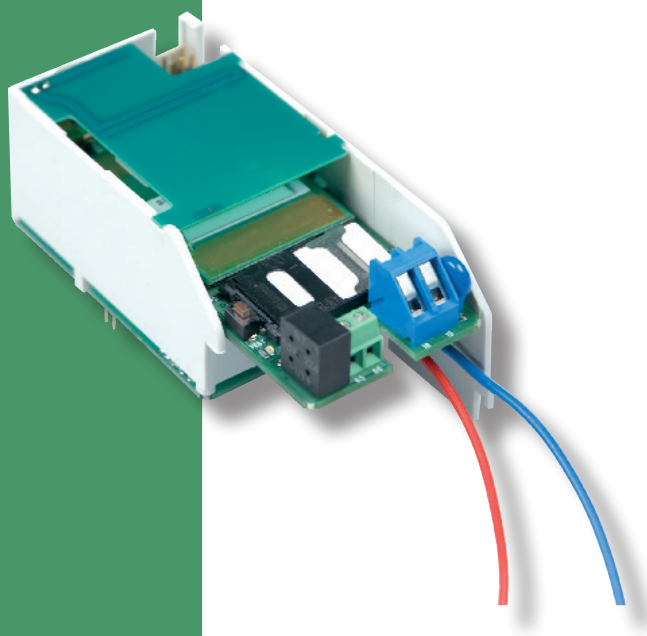


Data sheet

## GSM 6i Module

- 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

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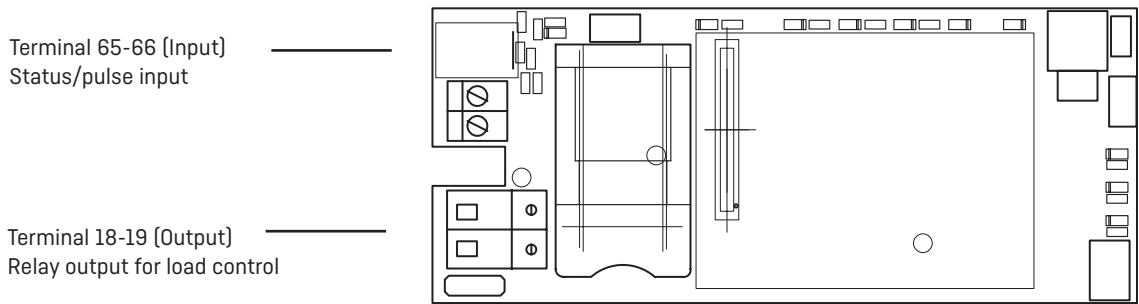
The GSM6i module is typically used as a datalogger module in the Kamstrup meters or as a transparent communication module in the PLC Concentrator. The GSM6i module is also very suitable for isolated metering points with poor radio coverage as well as in areas that are difficult to access.

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.

## Connection diagram

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## Technical data

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### 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

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|                       |  |
|-----------------------|--|
| 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)

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| 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   |

