GSM Modem 5

Fast and efficient remote reading of Kamstrup electricity, water and heat meters

GSM and GPRS (as variants)

Dual band 900MHz og 1800 MHz.

9600 bit/sec data communication via GSM data channel

2 serial ports for reading of 2 units in the same call

2 relay outputs

2 status/pulse inputs

Meter reading via SMS

Application

GSM Modem 5 is used for remote reading of Kamstrup electricity meters according to the dial-up principle, typically in connection with a concentrator which makes it possible to collect data from several meters in one call.

GSM Modem 5 offers central upload of new features.

The data transmision is transparent, secured with CRC checksum and controlled from the PC program on the main station.

Hayes AT commands and V.110 protocol are used.

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Technical data

GSM

GSM 900-1800 MHz Phase II +	
– class 4	900 MHz, 2 W
– class 1	1800 MHz, 1 W
Antenna	Dual band internal antenna with MCX connector for external connection.
Communication	9600 bit/sec.
Protocol	V.110 with CRC checksum
GPRS (variant)	Class 8, Class B

Electrical data

Supply	110/230 VAC
Power supply	
– idle	< 2 VA
– transmission	< 4 VA
RTC	
– accuracy	20 ppm
– backup	min. 10 days
Relay outputs	2 pcs. 230 VAC, 100 mA solid state
Serial ports	
– port 1	RS232 or Kamstrup 3-wire
– port 2	Kamstrup 3-wire
Status/pulse input	2 pcs. potential free, 3.6 VDC in series with 1 MΩ.

Mechanical data

Dimension (wxhxd mm)	165x100x65 mm (including DIN rail adapter)
Temperature	
– storage	-40°C+60°C
– operation	-40°C+60°C
Relative humidity	< 95%, not condensing
Installation	Mountable on wall or DIN rail
Density	IP54
Cable length	
– 230 V	1.5 m
– serial	1.5 m

Marking/approvals

CE marking	
EN61600-6	EMC
CTR 19,20,31,32	GSM approval

5810-507 GB/06.2006/Rev. A1

Ordering

GSM Modem 5	68GXXXXXX