

Data logger base module

Installation instructions



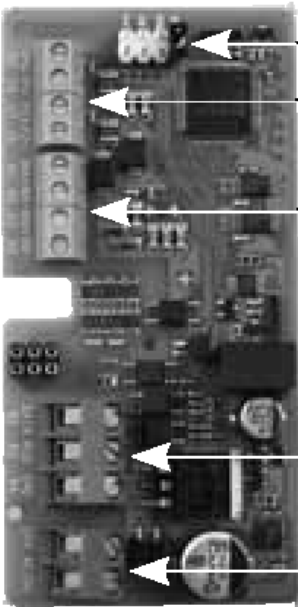
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ENGLISH

In general

These instructions describe the installation of Kamstrup's data logger base module 6700 2200 0000 for MULTICAL[®] 601.

The module requires 24 VAC supply, no matter if pressure transmitters are connected to the module.



Adjustment of pressure transmitters

Connection of 2 x 4...20 mA pressure transmitters

Pulse inputs for connection of other meters

Serial communication link for the connection of e.g. a Kamstrup GSM modem

Voltage supply for the module (24 V AC)

Survey of terminals

Terminal 57	P1 +	Measuring P1
Terminal 58	P1 -	Measuring P1
Terminal 57	P2 +	Measuring P2
Terminal 59	P2 -	Measuring P2

Terminal 65	InA +	Measuring P1
Terminal 66	InA -	Measuring P1
Terminal 67	InB +	Measuring P2
Terminal 68	InB -	Measuring P2

Terminal 62	Data	Serial interface
Terminal 63	REQ	Serial interface
Terminal 64	GND	Serial interface

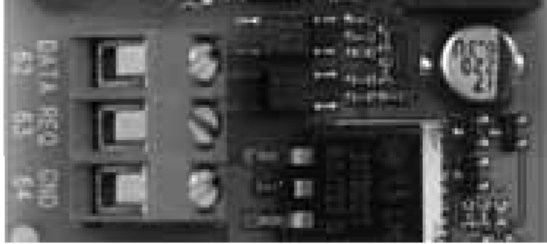
Connection of supply voltage for the data logger module



The external 24 VAC supply is connected to the terminal marked " 24V AC/DC".

We recommend using Kamstrup's 230/24 – 0.2 A V DIN rail transformer, type number 6699 403.

Serial data connection

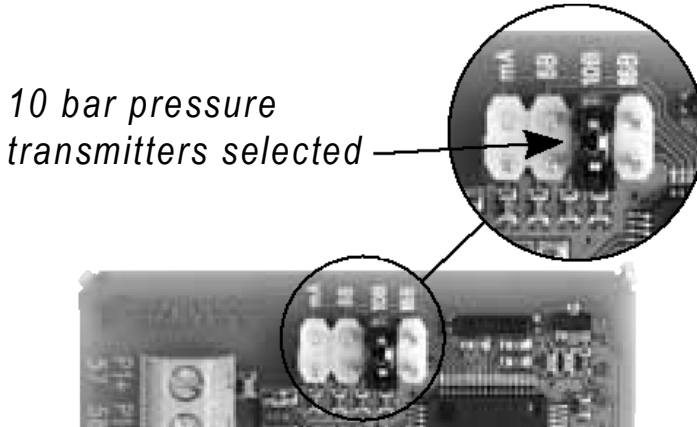


The communication link is galvanically isolated by optocouplers and is often used for serial connection of Kamstrup's GSM modem.

DATA (Brown) connection to terminal 62
REQ (White) connection to terminal 63
GND (Green) connection to terminal 64

If the signal level is to be RS232, data cable 6699 105 (Jack) or 6699 106 (9-pole sub-D) must be used.

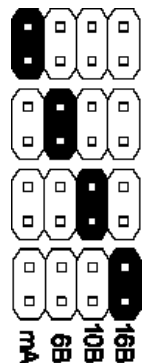
Connection of 4...20 mA pressure transmitters



The two pressure transmitters for measuring P1 and P2 are connected to terminals 57 (P1+) and 58 (P1-) as well as 57 (P2+) and 59 (P2-) respectively.

The pressure range can be selected by means of the jumper.

1. Current reading
2. 6 bar pressure transmitter
3. 10 bar pressure transmitter
4. 16 bar pressure transmitter



Connection of pulse output meters



Both meters with contact output and meters with transistor output can be connected provided that the leak current of the output is less than $1 \mu\text{A}$ ($\text{Lo} < 0.5 \text{ V} - \text{Hi} > 2 \text{ V}$).

The meter's pulse output(s) is/are connected to terminals 65 and 66 as far as pulse input A (InA) is concerned and terminals 67 and 68 as far as pulse input B (InB) is concerned.

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