

DL240 – ‘SHORT MESSAGE’ FROM THE GAS STATION

Messages, alarms, transmissions, control checks, information and more

The main feature of the DL240 data logger is its event-oriented meter readings. Events which lead to status information or meter readings being registered in the archive can also be the signal for an SMS to be sent. This should not be seen as a trivial pursuit of obsessed development engineers but rather as the best possible way to exploit modern communication technology.

In a similar way to a normal mobile telephone, the DL240 data logger automatically sends an SMS. The event upon which an SMS is to be sent is preset when the data logger's parameters are programmed. This means that the content is configurable in advance. Depending on the application, the message can contain identification data, current

meter readings, load or consumption data or status information from the data logger. In order to do this, as always, 160 characters are available. Where the data is to be sent is also flexible. It is possible to send the information to two different destinations in any pre-defined order. These destinations can be, for example, a mobile telephone or a PC with a GSM modem.

The event-oriented despatch of SMS makes it possible to realise many applications which are normally only associated with the fields of telemetry or SCADA systems (= Supervisory control and data acquisition). As a result, this greatly increases the value of metering points belonging to special-contract customers, since it is no longer necessary to employ any special devices keeping thus to a minimum.

The following examples of applications show the variety of possibilities available:

- ▶ Monitoring of a maximum flow rate (Q_{max}) or a contractually-agreed hourly or daily performance. The consumer is informed via SMS before a limit is exceeded.
- ▶ Monitoring of an agreed load. An SMS transmits the last hourly consumption for the data to be analysed so that any possible contractual penalties can be avoided.
- ▶ Information on the status of an SSV (safety shut-off valve), the contact of which is connected to the status input of the data logger. An SMS sends information to the hotline including the customer name and the description of the metering point where the SSV has been activated.

that time, it will also be possible to react directly to any faults concerning the pressure or temperature measurements and so you will not have to wait until the monthly readout or any periodic inspection of the site.

To send an SMS, the data logger must of course be connected to a telecommunications network. In order to ensure this, the configuration of the device can be changed at a later date via remote data transmission, which means it is not necessary to visit the gas station. With the aid of the WinPADS software, all of the settings for an application can easily be adapted to the new requirements, e. g. new limits can be set

The automatic transfer of information via SMS for the applications mentioned above saves both time and money. On top of this, new services are



- ▶ Information concerning a switch from gas to oil, in the case of customers where this possible. An SMS is sent when the magnetic valve has been successfully activated by the customer.
- ▶ Transfer of the monthly meter readings in order to give the end-user up-to-date information. An SMS regularly transmits the meter readings at the end of the month, for example, to the relevant operating engineer.

available to the end-user, which can only help to strengthen the contact to the customers. In times of liberalised and highly-competitive energy markets, this is more important than ever.

If you would also like to make use of the possibilities of 'Short Messages', call us or send us an SMS to **+49 160 / 97843301**.

We would like to help you switch over to the new technology.

The functions described above are also available for the EK260 and EK230 volume correctors. By

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