



World of

SMS control

HIQUEL[®]
HIGH QUALITY ELECTRONICS

www.hiquel.com



Turn on/off the heating in your holiday house

- ✓ turn on/off the heating via SMS from wherever you are
- ✓ check the current temperature via SMS
- ✓ get informed via SMS if somebody enters the house
- ✓ control further devices via SMS





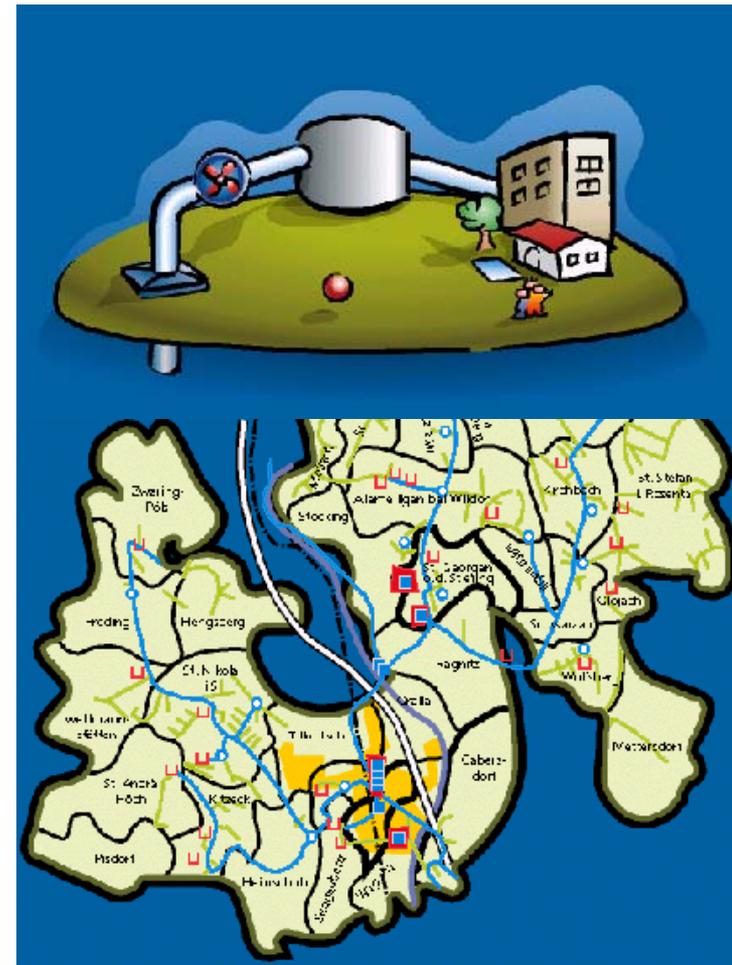
Protect your house from burglary

- ✓ get informed if a burglar breaks into your house
- ✓ due to the UPS even an breakdown of the power supply system can be realized
- ✓ turn on/off your alarm device via SMS
- ✓ create a ring-text message which is immediately transmitted to the police station as fax or e-mail



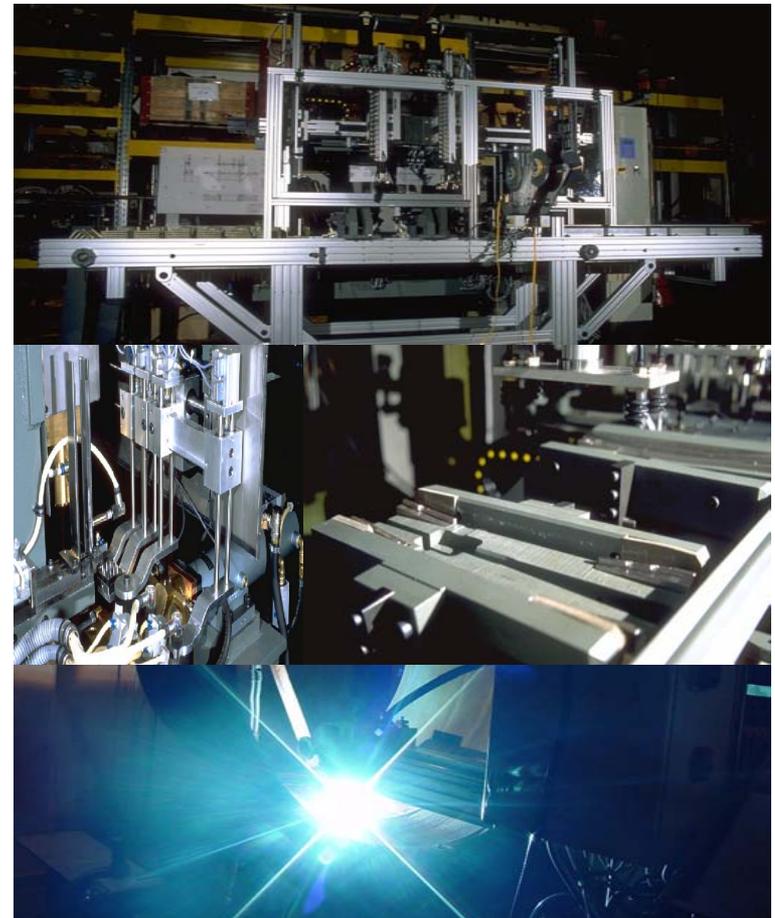
Control existing pumping stations for failures

- ✓ install this system in already existing waste water or water pumping stations
- ✓ getting informed if the water level is too high or too low
- ✓ receiving a text message if there is a pump failure
- ✓ turn on/off the pumps via SMS



Inform your maintenance staff if a machine break downs

- ✓ send a text message if a production machine breaks down
- ✓ send a text message if an automatic production machine has reached a certain amount of pieces
- ✓ inform the maintenance staff successively. First the person on-duty is informed. Then, if there is no reaction within a specified period of time, the next person is contacted and so on...



Turn on/off the irrigation of your garden or your house plants

- ✓ turn on/off up to 6 water pumps or irrigation systems via SMS
- ✓ a humidity sensor informs you about the condition of the fields



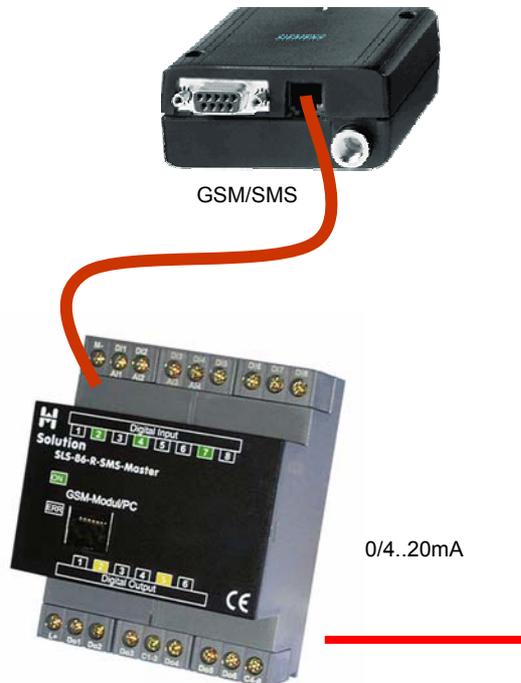
Handle drink dispensers with your mobile phone

- ✓ send a text message to the drink dispenser
- ✓ pay with your mobile phone
- ✓ no annoying coins!



Online monitoring of salt levels in salt silos

- ✓ send a text message when salt volume is below a critical level
- ✓ automatic refilling is possible

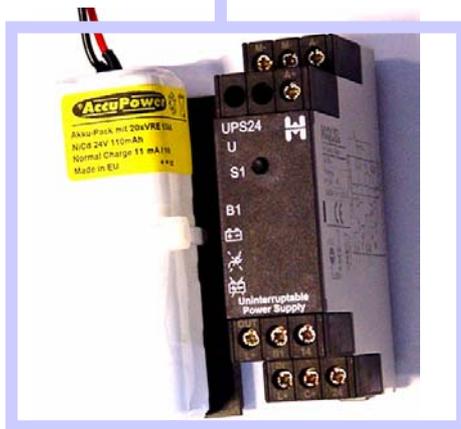


Our turnkey solution for your GSM control



Our turnkey solution for your GSM control

An optional uninterruptible voltage supply provides the necessary power even if there is a mains failure!



With a
SIEMENS TC35
GSM terminal
all text messages
can be sent and
received



The SMS Master
has 8 digital inputs,
4 of them can be used as
analogue inputs.
Furthermore, the
SMS-Master has
6 relay outputs.
The coupling to the
TC35 terminal takes place
via a serial cable!

Our turnkey solution for your GSM control

the supplied PC software makes the simple configuration of all SMS-Master parameters possible!



In addition you also need a mobile phone that is able to receive and send text messages - this is not part of our product range!

HIQUEL SMS-Master the PC configuration software

Configuration Help

SLS-86-R-SMS-Master

Digital Inputs

Di1

Di2

Di3

Di4

Di5

Di6

Di7

Di8

Digital Outputs

Analog Inputs

Userlines

Time functions

PrePaid

Documentation

Di1

Enable this digital input

Invert this digital input

Delay time in Seconds: 0

Ignore this signal

Users:

All Line3

Line1 Line4

Line2

from:

to:

If the input falls from high to low, send the following message...

Entrance door was opened. The door is now #Di#1!

If the input is low, use this text: open

If the input is high, use this text: closed

Quit this message

Quit time in min: 6 Min

2 Min 60 Min

Quit this message with the following SMS

Entrance door confirmed

all settings are executed in a dialogue oriented way

A clearly structured navigation tree shows all configuration possibilities graphically!

HIQUEL SMS-Master configuration of digital inputs

The screenshot shows the configuration window for the SLS-86-R-SMS-Master. On the left, a tree view shows 'Digital Inputs' expanded, listing Di1 through Di8. The main area is configured for Di1. It includes checkboxes for 'Enable this digital input' and 'Invert this digital input', both checked. A 'Delay time in Seconds' field is set to 0. There are checkboxes for 'Ignore this signal' (checked) and 'Users' (All, Line1, Line2, Line3, Line4), with 'All' selected. Below this, a text box contains the message: 'Entrance door was opened. The door is now #Di#1!'. Further down, there are fields for 'If the input is low, use this text:' (open) and 'If the input is high, use this text:' (closed). A 'Quit this message' checkbox is checked, and a 'Quit time in min:' slider is set to 6 Min. At the bottom, a text box contains the confirmation message: 'Entrance door confirmed'.

decide if the 8 digital inputs are normally open or normally closed contacts. Configure which user group the text messages are sent to. Define a delay before the function operates and/or a time period for which the function operates.

The text message and two texts for both states of the digital inputs are entered here.

Enter an individual confirmation message and define a time after which the message is sent to an alternative number.

HIQUEL SMS-Master set digital outputs

Configuration Help

SLS-86-R-SMS-Master

Digital Inputs

Digital Outputs

Do1

Do2

Do3

Do4

Do5

Do6

Analog Inputs

Userlines

Time functions

PrePaid

Documentation

Download configuration

Do1

Enable this digital output

Users

All Line3

Line1 Line4

Line2

Ignore this signal

from: MON 99.99.99 99.99

to: FRI 99.99.99 99.99

Interruption of water supply!

If this message is received, switch output to low...

Start water supply again

If this message is received, pulse output for one period...

1s

If output is low, use this text:

If output is high, use this text:

assign an authorised user group to the 6 digital outputs. Configure a period of time when the operation is inhibited.

three text messages are defined here: one to start, one to stop and one to pulse the digital output. The pulse duration can also be defined.

Define two text messages here which describe the current status of the digital output.

HIQUEL SMS-Master analogue control messages

The screenshot shows the configuration window for 'SLS-86-R-SMS-Master'. The left sidebar contains a tree view with categories: Digital Inputs, Digital Outputs, Analog Inputs (highlighted), Userlines, Time functions, PrePaid, Documentation, and Download configuration. The main area is titled 'Ai1' and has tabs for 'Status message', 'Scaling', 'Minimum alarm', 'Maximum alarm', and 'Trigger message'. The 'Minimum alarm' tab is active, showing options to 'Enable minimum alarm' (checked), a 'Delay time in Seconds' of 0, and 'Ignore this signal' (unchecked). Under 'Users', 'Line1' is checked. The 'from' and 'to' fields contain phone numbers. Below, there are two text input fields: 'Send the following alarm message when level falls under 200' with the message 'Water level at the lower threshold!', and 'Send the following ok message when level climbs over 250' with the message 'waterlevel ok again!'. At the bottom, there is a 'Quit time in min:' slider set to 2 Min, and a 'Quit with message:' field.

for each analogue input a scaling of the analogue signal and a minimum and maximum alarm threshold can be configured!

configure a limit for the minimum alarm and an alarm text. Enter a limit for the "ok again" message and a corresponding text message.

Enter an individual confirmation message and define a time after which the message is sent to an alternative number.

HIQUEL SMS-Master set prepaid functions

Configuration Help

SLS-06-R-SMS-Master

non

PrePaid

Enable PrePaid Function

Enable Min Alarm

Users

All Line3

Line1 Line4

Line2

Send account info if account value falls under: € 010,00

If this message is received, send account info:

Send current status of prepaid card!

Account info Message:

Prepaid card status:#prepaid#

Quit this message

Quit time in min: 2 Min

2 Min 60 Min

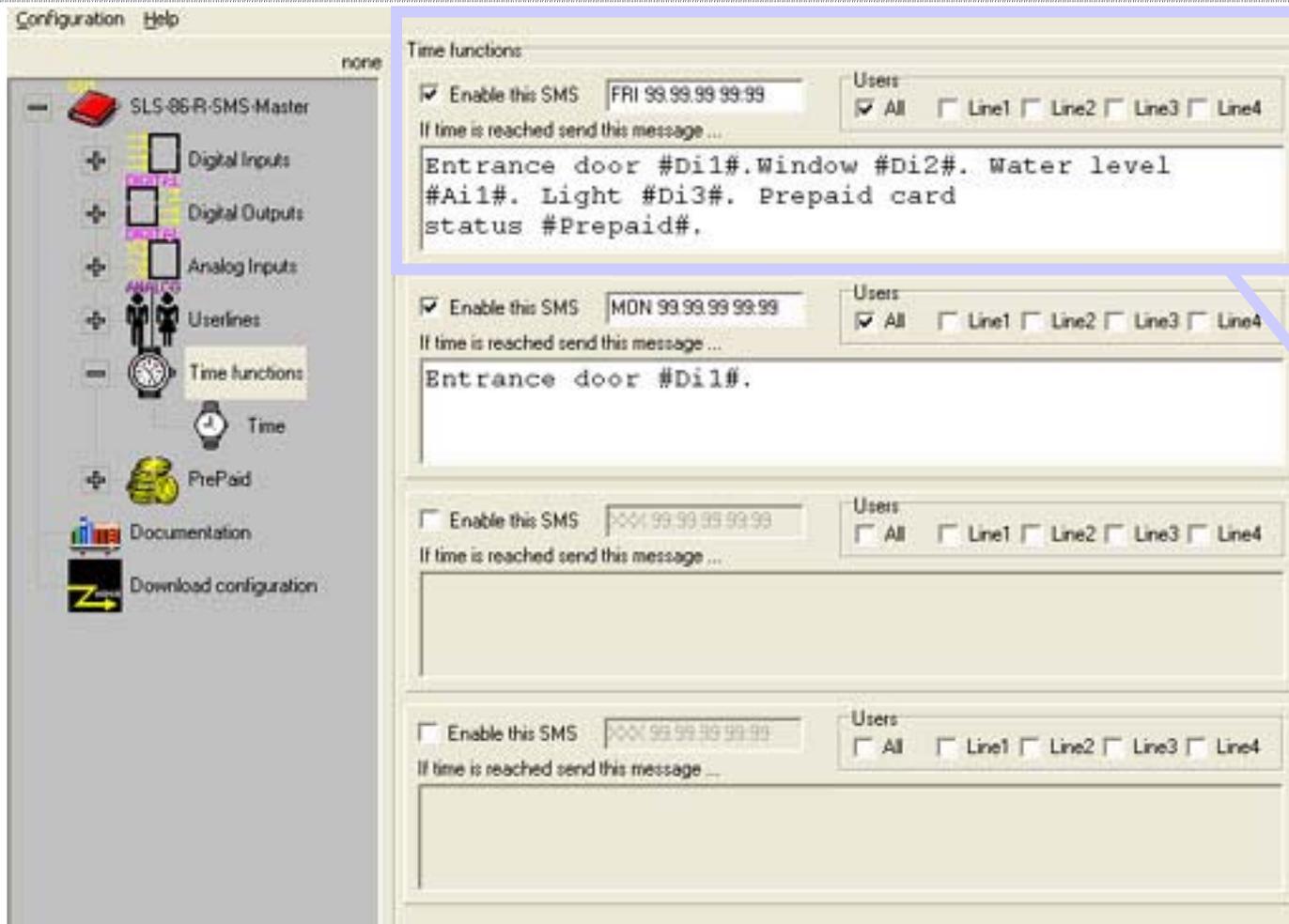
Quit this message with the following SMS

Enable or disable the prepaid function and assign a user group to it.

define a minimum account balance to send a 'low balance' message and the necessary text for that message.

Enter an individual confirmation message and define a time after which the message is sent to an alternative number

HIQUEL SMS-Master set time functions



Configuration Help

none

SLS-86-R-SMS-Master

- Digital Inputs
- Digital Outputs
- Analog Inputs
- Userlines
- Time functions**
- Time
- PrePaid
- Documentation
- Download configuration

Time functions:

Enable this SMS Users: All Line1 Line2 Line3 Line4

If time is reached send this message ...

```
Entrance door #Di1#. Window #Di2#. Water level #Ai1#. Light #Di3#. Prepaid card status #Prepaid#.
```

Enable this SMS Users: All Line1 Line2 Line3 Line4

If time is reached send this message ...

```
Entrance door #Di1#.
```

Enable this SMS Users: All Line1 Line2 Line3 Line4

If time is reached send this message ...

Enable this SMS Users: All Line1 Line2 Line3 Line4

If time is reached send this message ...

Configure up to 4 messages that are activated at a specific times and define which user groups receive these messages. These messages can be generated daily, weekly, monthly and yearly.

HIQUEL SMS-Master configuration overview

