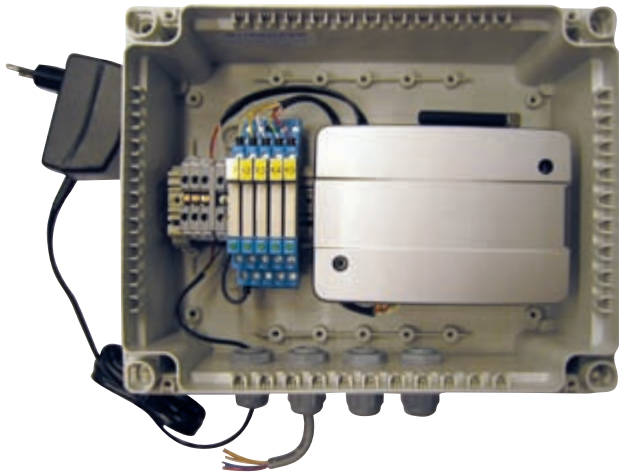


# GSM TCBox Remote Controller

SMS text message operated remote machine supervisions with mobile phones and PCs

**KLINKMANN**

www.klinkmann.com



**For tanks, cooling devices, heaters, pumps, containers, power generating sets etc. machines and devices:**

- alarm switch and status messages
- temperature, pressure etc. analog measurements as numeric data

- easy and economic connection to various devices
- when needed Klinkmann adapts the mounting box and instrumentation case by case; also for outdoor use to various devices

GSM TCBox is a mounter-friendly total solution based on a preprogrammed GSM-modem and mounting box, equipped with all necessary connectors and power supply. Totally 10 digital inputs and outputs available, the exact configuration can be selected depending on application.

The potential free contact in supervised device (alarm or status) is wired to the connectors of TCBox. A LED indicates TCBox's status. The power supply is a plug-in version.

GSM TCBox modem and terminals are mountable on a Din-rail as embedded part of machine controls.

GSM TCBox is configured by sending to it a mobile phone Short Message containing service man's phone (or modem) number and alarm message. TCBox is easily reconfigured for example according to shifts. A security code guarantees safe remote operations.

TCBox is fully operated by standard mobile phone. Klinkmann's GSM-Control PC SMS software is available for multi-unit applications and for SMS-management. TCBox can be customized for multi-input and output applications.



## Text Message operated remote controls:

- switch-operated device or motor start-up as static state control or as pulse control
- machinery status feedback and status inquiry functions

## Advanced applications with SMS/GSM-Data/GPRS-transfer

- vehicle fleet positioning with GSM- or GPS-positioning
- payment applications
- door/gate opening according to allowed numbers list
- GPRS-data transfer to standard PCs using FTP protocol

## Standard-models

- GSM TCBox 1in**
- GSM TCBox 3in**
- GSM TCBox 3in + battery backup**
- GSM TCBox 5in**
- GSM TCBox 3in + 3out + analog input**

**Dimensions:** 240 x 190 x 94 (cover transparent or grey)

**Power supply:** 230 VAC 50 Hz

**Connections:** all connections relay isolated

**Digital Inputs:**

1. external voltage for input relay activation
2. max. 10, potential-free inputs, contact open-logical "1", contact closed - logical "0", protected with unidirectional TVS

**Digital Outputs:**

1. relay contact
2. max 5, type - transistor, low side switch, logical "0" switch off, logical "1" - switch on, voltage 50V max, current max. 100 mA

## PLC-controllers with GSM/GPRS transfer

GSM-controller and GPRS-controller provide in a single compact unit: PLC (max. 160 I/O), display and a keypad for local and remote controls. Ask for more information!

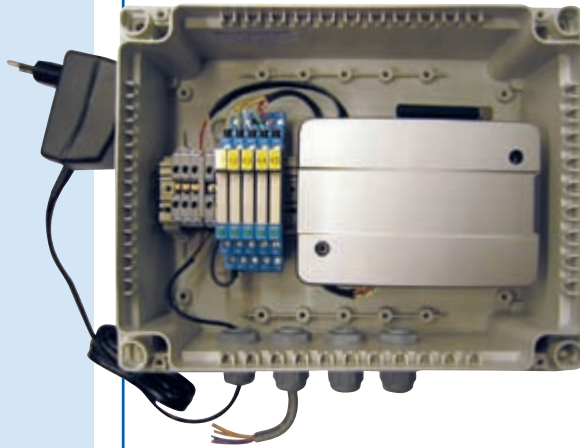


# TCBox typical customer applications – with ready SMS text message control concept

Monitoring via mobile phone and/or PC with GSM-modem

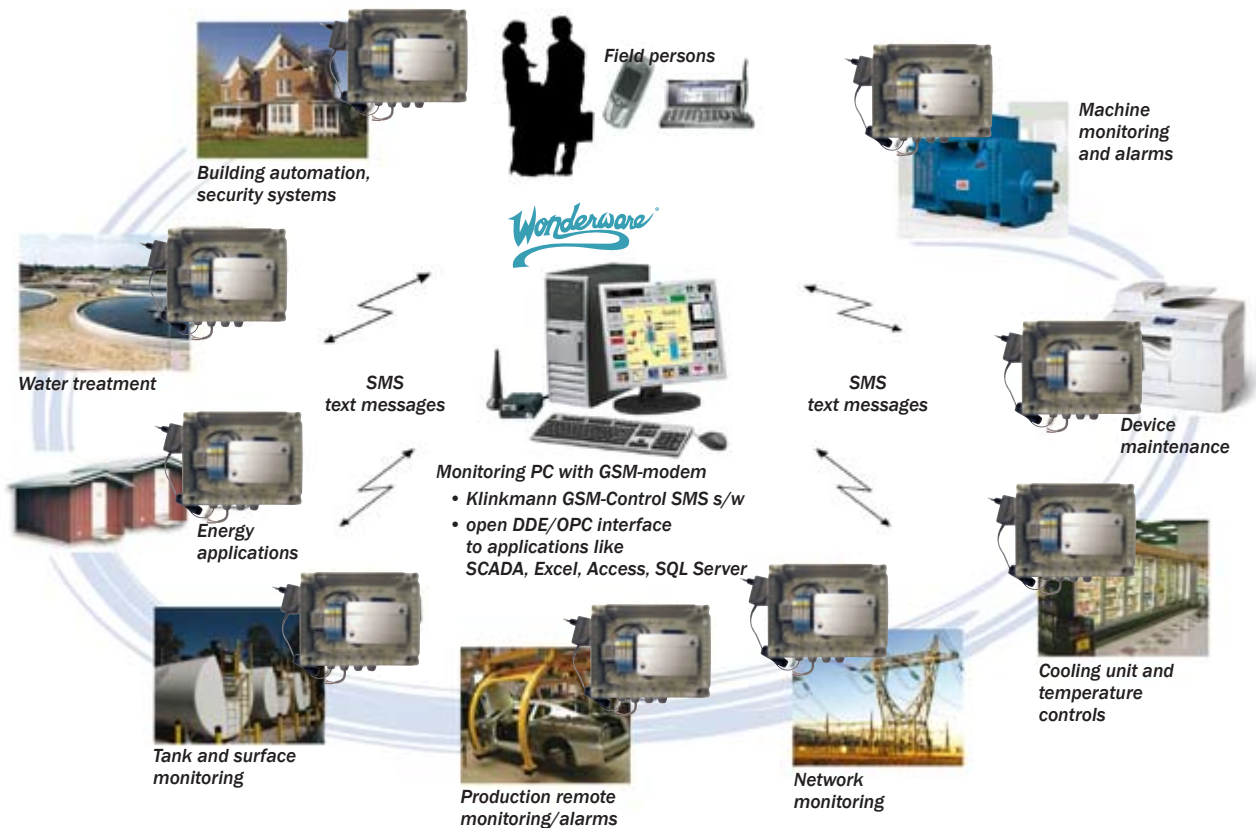
## TCBox brings advantages:

- easy to test and pilot in few minutes and with low investment
- all configuring can be done with mobile phone and SMS text messages
- plug-and-play unit with enclosure, relays etc. for wire connections
- easy to install also into existing devices and applications
- scalable concept from single unit to wide systems with PC monitoring
- easy to adjust into customer's needs



TCBox has options:

- battery backup
- heated outdoor models
- special relays etc.



Ask more information email: [support@klinkmann.com](mailto:support@klinkmann.com)

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