



Easy
installation,
simple
programming!



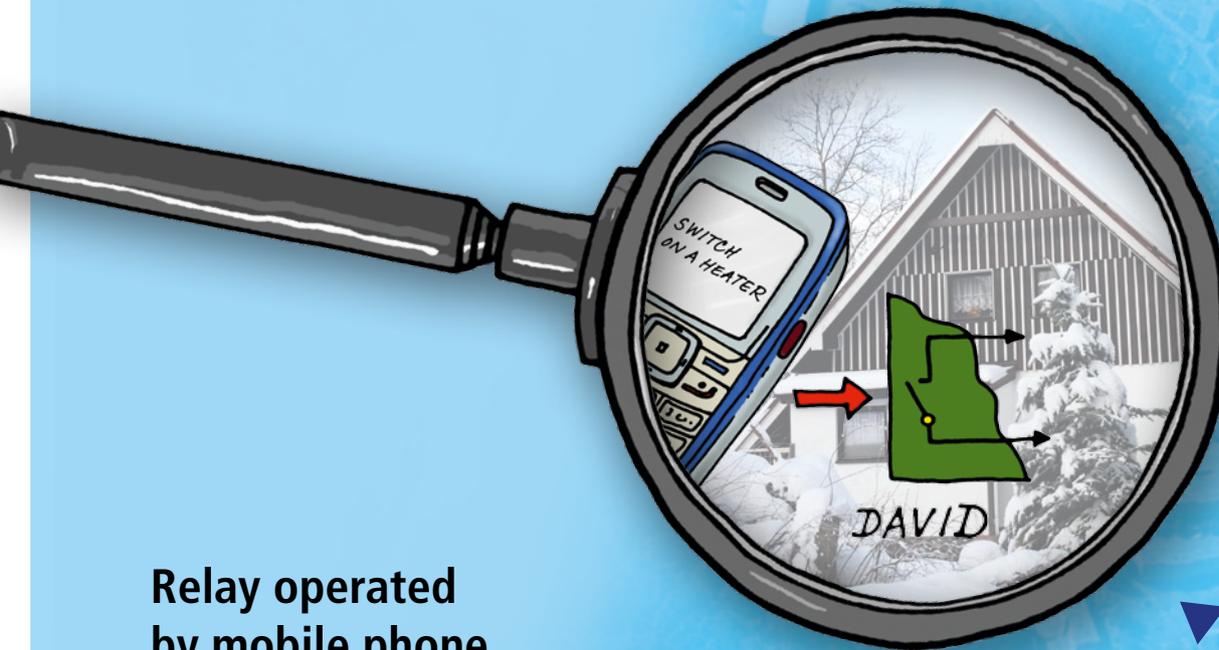
DAViD

your silent and loyal servant

The GD-04 is a GSM remote controller-sensor.
It sends SMSes, calls - switches on/off and guards.
DAViD cannot speak but is understood by everyone.

JABLOTRON
CREATING ALARMS

Basic features



Relay operated by mobile phone

Two output contacts (X and Y), each output 5 A/250 V can be used as:

- **A switch operated by SMS messages.** Customized message text can be set for switching on and off (e.g. "switch on the light", "switch off the light" and "open the sun-blinds", "close the sun-blinds"). Order execution can be confirmed by DAVID via SMS messages.
- **A time switch** which can be controlled by mobile phone (the time period can be set from 1 sec to 10 hours).
- **A relay operated by a phone call.** You can set up to 50 phone numbers for each relay. If there is a phone call from a preset number, the device will not answer the call but the relay will react (as a switch or time switch). A phone call made this way is for free and can be used for opening garage doors, door locks, switching the lights on etc.

The number of times entry is allowed can be set for each authorised number. E.g. you can allow the customer to open a parking lot gate 30 times and then further entry is no longer authorised. Re-authorization can then be done by SMS.



Reporting to a mobile phone

The four input terminals (A to D) can report their activation or deactivation by SMS message (e.g. "power failure for freezer" and "restoration of supply to freezer").

- Every SMS report can have up to 30 characters.
- There can be up to 8 phone numbers set for each terminal for the reports.
- DAVID can also support each SMS report by a phone call.
- DAVID can also check the level of the credit on the SIM card and warn you about low credit if a prepaid SIM card is in use.

The functions of DAVID can be set by SMS message from a mobile phone. A simpler way (and also for free) is to use the web page www.david.jablotron.cz (no registration required, only filling in a simple form is needed).

GD-04 DAVID



Application examples

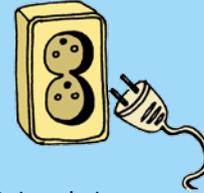
DAViD controls



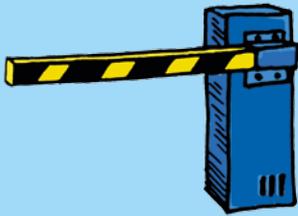
Lights



Watering



Various devices



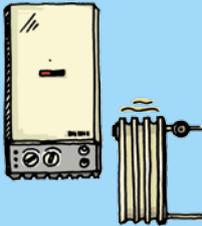
Parking lot entry



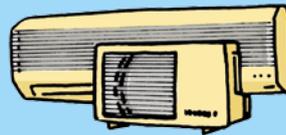
Garage doors



Door locks



Heating in the house



Air-conditioning



Sun-blinds



Switching on a sauna



Glasshouse ventilation



Well pumps



DAViD reports



Panic



Fire



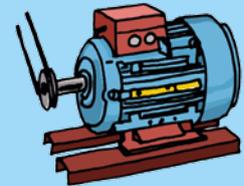
Intrusion



Flooding



Power failures



Device malfunctions



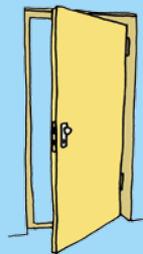
Danger of freezing



Overheating



Current temperature



Door opening



Daily communication check



GD-04 DAViD

DAViD can do even more

The basic features can be extended by using additional modules, which are sold separately:

The GD-04R radio module

is installed inside DAViD and connected with an internal connector*. The module also contains a transmitter and a receiver, so DAViD can easily communicate with the wireless components of an OASiS system.

This offers a wide spectrum of possibilities:

Wireless detectors and buttons can activate GD-04 inputs. Each input can enroll one detector or an Oasis button. Then the user of DAViD can send different SMS reports:

- **Calls for assistance in an emergency by pressing a button** (RC-86, 87, 88 and 89)
- **Report movement in an area** (JA-80P and 85P detectors)
- **Warn in the case of fire** (JA-80S detector)
- **Report glass breaking** (JA-85B detector)
- **Report door or window opening** (JA-80M and 82M detectors)
- **Report gas leakages** (JA-80G detector)
- **Report exceeding the minimum or maximum temperature** (TP-82 and 83 thermostats). The user can also **receive information about the current temperature** in the monitored place by sending an SMS (up to 4 places can be monitored – one thermostat can be enrolled to each of the terminals A to D). This feature is great in a conservatory for warning of freezing or in a server room for guarding against the danger of overheating.
- **Wirelessly reporting the opening or closing of contacts** (JA-80M detector)

The status of the output relays can be wirelessly forwarded to an AC-82 relay unit. There is no limit for the wireless relays enrolled to DAViD. A high number of devices **can be switched on and off simultaneously in different places without cable installation** being needed.

The output relay in DAViD can be operated directly by wireless buttons. Up to 4 RC-8x buttons can be enrolled to each relay. This function is suitable for operating a garage door, switching lights etc. The relay which is set as being operated by a wireless button can be operated by mobile phone as well.

A wireless thermostat (TP-82 or 83) enrolled to DAViD can not only track the temperature, but also operate a heating system. A thermostat set to terminal A can not only send a reporting SMS but also switch relay X on and off to achieve the requested temperature. The user can **remotely set the thermostat by mobile phone** whether the preset temperature should be maintained or if only the minimum temperature should be maintained. DAViD also warns in the case of heater malfunction. If the temperature is too low or too high, it sends a warning SMS message. The current temperature can also be found out by sending an SMS interrogation command. DAViD enables you to control two separate and independent heating systems in a house (the thermostat enrolled to terminal A switches on relay X and the thermostat for terminal B switches on relay Y).

The GD-04D DTMF module

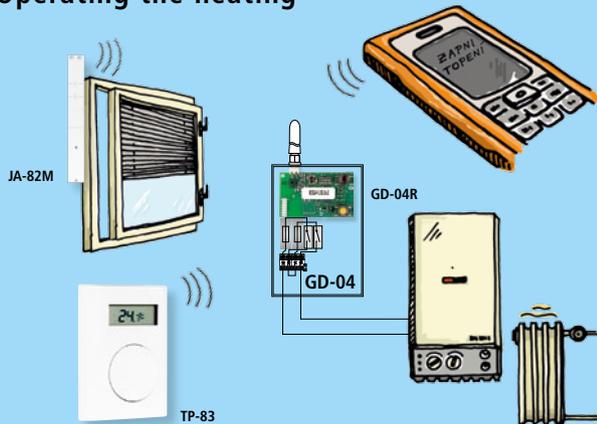
is installed inside DAViD and connected with an internal connector*. When using this module, the output relay can be operated by calling DAViD, after which it answers your phone call and then the numerical codes for switching the relay on/off can be manually keyed in.

*) Only one module can be installed into DAViD (R or D).



DAViD – Examples of applications

Operating the heating



- possible to control the heating remotely (switching on and off)
- switched-on heating is controlled by the TP-83 with a preset weekly program
- switched-off heating heats the room up to a preset anti-freeze temperature
- reports low/high critical temperatures via SMSes to the user.
- sends a status SMS with the current room temperature when demanded
- opening a window can block the heating and save heating expenses

Checking critical events



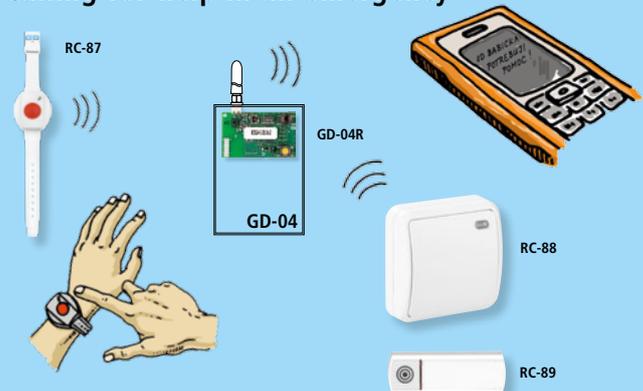
- using detectors it is possible to sense various events in the premises
- the JA-80S wireless smoke detector reports fire danger
- the LD-12 wireless flood detector reports a growing water level
- the JA-81M wireless detector reports door opening
- the input terminals of the JA-81M wireless door-opening detector can be used to connect external detectors

Opening an entrance gate or a garage door



- controlling an entrance gate or a garage door for free using a short phone call
- possible to preset up to 100 authorised numbers for output control
- possible to set up credit for up to 99 "entries" for each number
- gate control via phone DTMF tone codes with optional DTMF module

Calling for help in an emergency



- the communicator can also be used for calling for help in an emergency
- the RC-87 wireless emergency button is used to personally call for help. It is waterproof and is available as a necklace and wrist band.
- it is better to use an RC-88 wireless wall button and an RC-89 door bell button as a wall mounted button or one used in the bedroom

Basic technical specification of DAVID:

Power supply: 11 to 13 V DC, consumption 20 to 400 mA

Frequency range: GSM 900 / 950 / 1800 / 1900 MHz

Transmitter power: 2 W for GSM 900, 1 W for GSM 1800

DAViD requirement: One SIM card

Inputs: 4 terminals, react to connection to GND

Outputs: 2 relays with 5 A / 250 V safety fuse

Environmental class: II, indoor (-10 °C to +40 °C)

Dimensions (without antenna): 76 x 110 x 33 mm (antenna 75 mm)

DAViD and its accessories



TP-83 wireless thermostat

Wirelessly controls the heating using a pre-set weekly program and protects from freezing. Reports critical high/low temperatures and the current room temperature. Offers heating remote control via phone.

Note: TP-82 has no weekly program, TP-83IR is for floor heating.



JA-80S wireless smoke detector

reports fires. It combines an optical sensor with a temperature sensor. It has a built-in siren for local warning. It is in accordance with proper fire detection as defined by the relevant official standards on fire safety.



RC-87 wireless emergency button

remotely activates a panic alarm or it can also remotely control electrical devices. It is mostly used as a personal call for help. It is possible to configure the button as a wrist band or a necklace. The button is waterproof.



JA-81M wireless door-opening detector

is a magnetic sensor which reports door or window opening. It operates the relay of a DAVID communicator or it activates SMS sending. It has an input for connecting external sensors.



JA-80G wireless gas-leakage detector

reports the leakage of combustible gas. It has a built-in siren for local warning and with its output can directly operate an electric valve on a gas pipe or ventilation.



RC-86 key fob

enables you to control electrical devices wirelessly via the relay of a DAVID communicator or it can activate SMS sending.



JA-80P wireless motion detector

wirelessly activates SMS sending when motion is detected or it controls electrical devices via the relay of a DAVID communicator. It has an input for connecting a door-opening detector.



AC-82 wireless output module

has two relays, which can copy the status of the output relay in DAVID. It can be used for the remote control of electrical devices via DAVID without a cable connection. It is mains powered.



GD-04A backup battery

The upper housing of a DAVID communicator with a backup battery and a charger. DAVID can work on batteries for 12 - 24 hours (according to the strength of the GSM signal and relay status).



LD-81 flood detector

used for flood detection in a room or for the detection of crossing a water level limit. The flood detector is connected to the input of a JA-81M detector which wirelessly reports to a DAVID communicator.



RC-88 wireless wall button

used mainly as a wireless emergency button, it calls for help by sending an SMS from a DAVID communicator. It can remotely control electrical devices.



GD-04P programming cable

needed to connect your PC running GDLink software to your DAVID communicator. GDLink is provided with the cable and is also downloadable from the Jablotron website.

Seller:

Manufacturer:

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