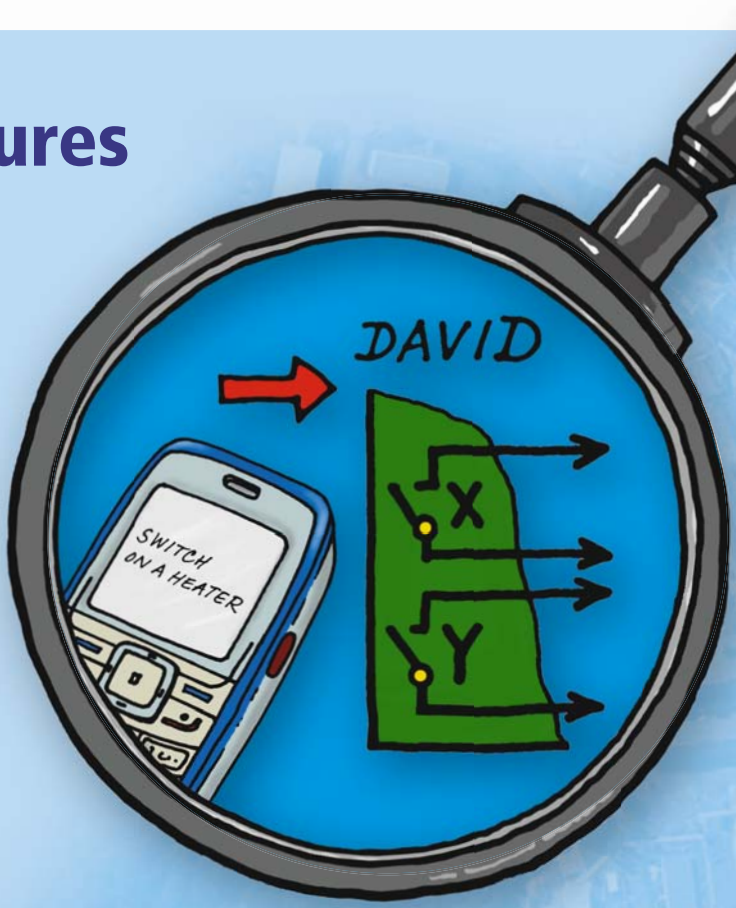
DAViD

your silent and loyal servant

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

JABLOTRON

Basic features



Relay operated by mobile phone

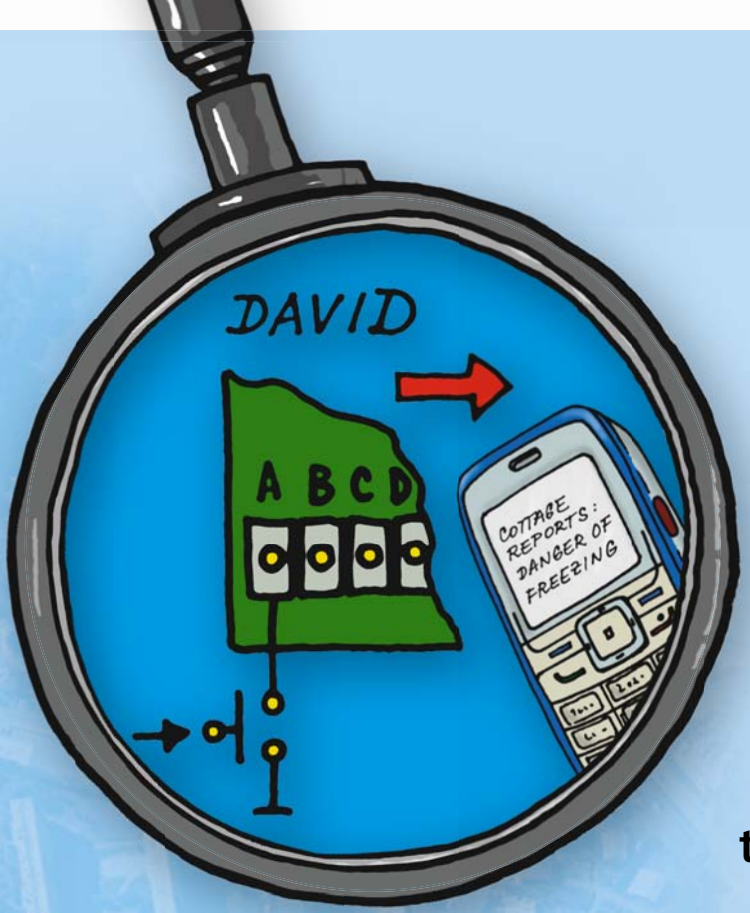
Two output contacts (X and Y), each **5A/250V** output can be used as:

- **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"). Command 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 s 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 gates, door locks, switching the lights on etc.

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

The GSM antenna
is connected via
an SMA connector

DAViD needs 12 V DC,
or can be mains-powered
by an adapter.



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 "power restoration to freezer").

- Every SMS report can have up to 30 letters.
- There can be up to 8 phone numbers set for each terminal for the reports.
- DAViD can also emphasise 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.com** (no registration required, only filling in a simple form is needed).

DAViD can do even more

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

The GD-04A back-up battery

is a physically expanded housing which contains a back-up battery. DAViD can be powered by the battery for 12 to 24 hours in the case of power failure (the exact period depends on the relay status and on the GSM signal strength). The battery is recharged while DAViD is mains powered.

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.

The GD-04P cable

enables you to connect DAViD to the USB port of a computer for setting up the device via GDLink software (the software is supplied with the cable). This feature will be highly appreciated by those who install DAViD often.

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

The GD-04R radio module

is installed inside DAViD and connected with an internal connector*. The module 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. One detector or an OASiS button can be enrolled to each input. Then the user of DAViD can sent different SMS reports:

- **Calls for assistance in an emergency by pressing a button** (RC-80, 87, 88 and 89)
- **Report movement in the 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-80D 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 temperate. 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 AN-80 and AN-81 are external antennas which can extend the communication range between the radio module and its wireless detectors.

Application examples

DAViD reports

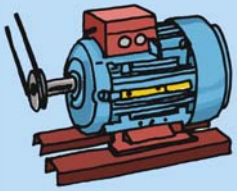
Panic

Fire

Intrusion

Flooding

Power failures

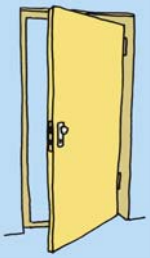


Device malfunctions

Danger of freezing

Overheating

Current temperature



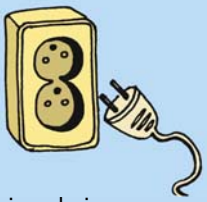
Door opening

Daily communication check

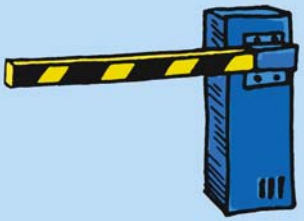
DAViD controls

Lights

Watering

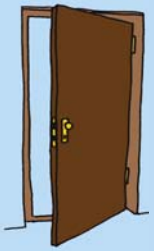


Various devices

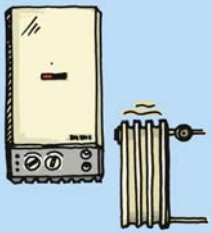


Parking lot entry

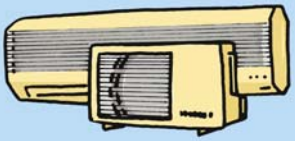
Garage doors



Door locks



Heating in the house



Air-conditioning

Sun-blinds

Switching on a sauna

Glasshouse ventilation

Well pumps

Recommended wireless devices

RC-87 wireless personal button, wrist-worn or as a necklace

RC-88 wireless wall button

RC-80 wireless key-fob. The user can select between 2 and 4 buttons to activate the inputs or control the output relay directly.

JA-80S wireless smoke detector

JA-80G wireless gas leak detector

LD-63HS flood detector – it is hard-wired to DAViD´s input.

JA-80P wireless motion detector

JA-80M wireless door (window) opening detector (or opening the external contacts)
JA-82M "invisible" wireless window opening detector

TP-8x wireless thermostat can be used for tracking the temperature only or also for heating regulation. Model TP-82 has temperature setting by knob; the TP-83 has a weekly program.

AC-82 – a pair of wireless output relays, 2 contacts, max. 5 A/250 V

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)

Distributed by:

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