

**Miniature alarm device for universal application battery or mains operation**



**MINIATURE ALARM DEVICE**  
for universal application

**MINAL 182**  
Battery operation

**MINAL 282 BN**  
Battery/mains operation

**Devices without sensors**

**Application:** extra loud alarm (more than 100 dB at 1 m distance), hence suitable for decentralised use (eg in basement etc.). After connection of various sensors device can be used as water detector, burglar alarm, fire alarm (overheating), heating failure detector, level detector, rain detector etc..

**Advantages:** mobile, no power consumption unless alarm sounded; connection of any number of sensors, separately or simultaneously; loud alarm that cannot be missed.

**Specification:**

**Device:** rocker switch for tightening and alarm extinguishing, audible piezo-alarm, power consumption in case of alarm approx. 20 mA. Permanent alarm can be sounded for at least approx. 10 h.

ABS case 100 x 60 x 29 mm (H x W x D)

**Operating voltage:** 9 to 12 VDC, battery 9 V type IEC 6F22 included, for MINAL 282 BN additional socket for plug-in of external power supply GNG09 for permanent operation.

MINAL 182 only suitable for battery operation.

**Sensors:** jack for connection of any sensor type (see special accessories).

**Weight:** approx. 105 g (incl. battery - without sensor)

**Accessories:**

**GNG 09 - 3.5KS** power supply

**GWF-1S** plug-in water sensor, 2m

**GWF-1S/5m** plug-in water sensor, 5m

**GWF-1S/10m** plug-in water sensor, 10m

**GAZ-1** socket outlet adapter (required for each additional water sensor)

**GSS-1S** level probe (plug-in float switch) for electrically non-conductive media (normally open/normally closed function can be selected by customer)

**GNS-1S** plug-in level probe 2-pin (stainless steel electrodes)

**GSAS-1S** plug-in, self-adhesive magnetic contact

**VEKA 2** extension cable 2m

**VEKA 5** extension cable 5m

**VEKA 10** extension cable 10m

**No more water damage !**



**GEWAS 181 A** \* \* G 1/2" = 1,27 cm, G 3/4" = 1,905 cm, G 1" = 2,54 cm  
leak-water detector with 1/2" brass solenoid valve with 3/4" connections for hand installation, water sensor, alarm buzzer and switch-off of connected units 16A, 230V~

**GEWAS 183 A** \*  
leak water detector without solenoid valve, with water sensor, alarm buzzer and switch-off of connected devices 16A, 230V~

**GEWAS 181 A - 1/2"** \*  
leak water detector with 1/2" brass solenoid valve (flow quantity: approx. 20 l/Min, installation length approx. 55mm) for installation in the line, water sensor, alarm buzzer and switch-off of connected devices 16A, 230V~. Device is capable to drive more valves.

**GEWAS 181 A - 3/4"** \*  
leak water detector with 3/4" brass solenoid valve (flow quantity: approx. 91.5 l/Min, installation length approx. 80mm) for installation in the line, water sensor, alarm buzzer and switch-off of connected devices 16A, 230V~

**GEWAS 181 A - 1"** \*  
leak water detector with 1" brass solenoid valve (flow quantity: approx. 141.5 l/Min, installation length approx. 95mm) for installation in the line, water sensor, alarm buzzer and switch-off of connected devices 16A, 230V~

**Application:** any devices or machines with water connection. For direct mounting of solenoid valve in pipelines.

**Specification:**

**Solenoid valve:**\*Brass solenoid valve, energy-saving circuitry for hand installation (1/2" with 3/4" glanding - suitable for any 1/2" tap or 1/2" tube) or with 1/2", 3/4" or 1" internal thread on both sides for line installation. De-energised when closed, for pressure loads from 0.5 to 10 bar. Servo-controlled, i.e. free water outlet has to be provided resp. infeed pressure has to exceed outfeed pressure by 0.5 bar (solenoid not suitable for closed circuits such as heating systems).

**Electric specification:**

**of solenoid:** 100 V DC, approx. 2 W. Full load of approx. 8 watt available when start button is pressed at approx. 200 V DC. Hence, valve operable in permanent mode; due to energy-saving circuit valve will not run hot even without cooling agent. Valve permanently fixed to control device (approx. 1 m of connecting cable). Valve body can be removed from coil after loosening of one nut.

**Water sensor:** highly sensitive, plug-in water sensor, 2 m of cable, alarm triggered as of 1/2 mm water film. Simultaneous plug in of several water sensors via socket-outlet adaptor GAZ1. Plug-in extension cable (2 m, 5 m or 10 m long) available.

**Alarm triggering:** Solenoid closing in case of alarm, buzzer sounding and machine connected will turned off by means of a single-pole one-way switch.

**Control device:** 112 x 71 x 48 mm (H x W x D) with suspension hook. Operating lamps, double-pole switch, start button, alarm buzzer, approx. 1 m of connecting cable with earthing pin plug and socket. Socket (16 A 230 V~) is alarm triggered, i.e. the device plugged-in will be disconnected in case of alarm.

**Power consumption:** approx. 3 W only due to energy-saving circuit of solenoid valve.

**Spare or additional solenoid valves:**

**GMV-1/2" L** \* spare solenoid valve 1/2" for direct cable connection, approx. 1m cable, loose ends

**GMV-1/2" H** \* spare solenoid valve 3/4" manual mounting, approx. 1m cable, loose ends

**GMV-3/4"** \* spare solenoid valve 3/4" for direct cable connection, approx. 1m cable, loose ends

**GMV-1"** \* spare solenoid valve 1" for direct cable connection, approx. 1m cable, loose ends

**GMV-1/2" EZL** \* add. solenoid valve 1/2" for direct cable connection, with power saving connector approx. 2W, for direct connection to 230VAC, suitable for GEWAS183A or mains operation

**GMV-1/2" EZH** \* like before, but 3/4" valve for manual mounting

**GMV-3/4" EZ** \* like before, but 3/4" valve for direct cable connection

**GMV-1" EZ** \* like before, but 1" valve for direct cable connection

**Accessories:** plug-in water sensor, socket outlet adapter, extension cable

p.r.t. page 116