

WG-640

Automatic dialler and certified temperature recording device (according to EN 12830) with 6 inputs, connection via analogue exchange line or PBX a/b port.

- 1 connection for analogue dial-up line (exchange line connection or PBX internal a/b port)
- 6 signalling inputs, can be used as a closed/open contact or analogue measuring input with standard interface (0 - 10 V, 0 - 20 mA, 4 - 20 mA)
- 2 relays, can be used as a switch or signalling output
- 1 key input for enabling or disabling standby mode and confirming of signalling procedures
- 1 LED output for indicating standby mode and signalling procedure
- 1 USB port for programming or displaying the status of the inputs and outputs
- Event log for 1000 events with the date and time, data storage protected from power outages
- Measurement reporting, time interval (10 seconds up to 60 minutes) and/or measured value difference (1% up to 10%), recording 1 year
- Certified temperature recording device according to EN 12830, suitable for the requirements of storing chilled foodstuffs
- Sensors available from www.distriCOM.de
- Emergency operation using rechargeable or non-rechargeable batteries (notification of a power outage or a defective or empty battery to 4 destination numbers as a call and/or SMS¹)
- 1 LED to indicate standby mode of exchange line and device
- Remote confirmation of an alarm by DTMF



The WG-640 from Auerswald enables alarms for six different events using six announcement contacts. For each input, the automatic dialler calls up to four different phone numbers and also offers notification by SMS if required¹. The alarmed subscriber can confirm the message using DTMF.

The flexibly switchable inputs can also record and log measured values (such as temperature, humidity) using sensors.

¹ SMS sent via GSM gateway, e.g. coM.sat Analog TRF (not supplied with the WG-640).

Features

Functions

- 6 signalling inputs, 4 destination phone numbers per input for alarm and/or send SMS¹
- Detecting the busy tone for quicker alarm processing
- Real time clock with automatic summer/winter time switch-over
- Event log, 1,000 events for input/output/exchange line with date and time, power failure safe data storage
- Measurement reporting, time interval 10 sec. up to 60 min. and/or measured value difference 1 % up to 10 %, recording 1 year
- Emergency mode via rechargeable or non-rechargeable battery (warning at operating voltage failure, defect rechargeable battery or empty non-rechargeable battery to 4 destination phone numbers via alarm call and/or SMS¹)
- Remote acknowledgement of the alarm via tone dial
- Certified temperature recording device acc. to EN 12830, proper for temperature monitoring and recording of chilled foodstuffs acc. to HACCP²

Switching functions / Signalling

- Remote switching of 2 relays max.; PIN protected, input via tone dial, display of the relay states via 2 LED
- 6 LED for state indication of the signalling inputs
- LED for signalling the exchange line and system state
- Switch and signalling outputs, relay operation mode can be set
- LED signalling modes can be set in 3 steps

Installation and Maintenance

- Record of messages and announcements as well as the configuration of the phone numbers with PC or directly via call to the device
- Easy installation and setup with software WG-640 Set
- System software update: PC upload local

¹ Sending SMS via GSM Gateway, e.g. coM.sat Analog TRF (not included in WG-640)

² Since January 2010 older cold rooms (> 10 m³) must be equipped with a temperature recording device as well

Technical Data

- **Operating voltage:** 230 V + 10 %, -15 %, 50 Hz, Power supply with euro plug
- **Power consumption:** min. 1.5 W, max. 7 W
- **Exchange line:** for an analogue trunk line (tone dialling)
- **Analogue subscriber port:** for 1 analogue subscriber, symmetrical, tone dialling
- **Inputs:** 6 signalling inputs as normally closed / normally open / analogue measuring input (0 – 20 mA, 4 – 20 mA, 0 – 10 V)
- **Sensor power supply:** 24 V DC
- **Absolute precision:** < 1 %, factory-calibrated, reference to 100 % full scale
- **Maximum input resolution:** < 0,03 %, reference to 100 % full scale
- **Maximum load switching relays:** 30 V, max. 1 A
- **Connection** for stop / systems availability: Normally open
- **Power supply external LED:** approx. 3,3 V DC, 20 mA, UF < 2 V
- **Emergency power:** rechargeable or non-rechargeable battery (1 x AA, Mignon cell)
- **PC connection:** USB (Full Speed 1.1, compatible to V 2.0)
- **Case:** plastic, 2 parts
- **Dimensions** (w x h x d): 217 mm x 157 mm x 63 mm
- **Weight:** approx. 550 g (WG-640), approx. 110 g (Power supply)
- **Operating temperature:** 0 – +40 °C
- **Storage and transport temperature:** -20 – +70 °C
- **Humidity:** 10 – 90 %, non-condensing
- **Security:** CE

Scope of supply

- Basic unit WG-640
- TAE-N connection cable
- USB cable
- Power supply
- Quick start manual
- Installation and user manual (PDF document) on CD
- SD card (installed in the unit)
- Setup program for Microsoft Windows 7/8/10
- Mounting material (dowels, screws)

Ordering information

- **Product name:** WG-640
- **Part number:** 90430
- **EAN code:** 4019377904305

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