TW-4 touch screen heating controls

- Built-in 2-point 2-zone control
- 2 hours operation extension on the display or by a push button
- Display sleep mode enabling/disabling by a push button
- Setting of night (16℃) or safety (10℃) temperatures by zones
- Heating or ventilating function for air heater
- Weekly program, setting of certain dates by zones
- Adjustable hysteresis (0.5 ℃–2 ℃)
- Correction of temperature sensors (–5 ° C– +5 ℃)
- Manual temperature control (continuous holding of a temperature value)
- External temperature measurement (optional accessory)
- Air heaters control (GTV and LH heater models)
- Radiant heaters control (Zenit and Variant heater models)
- Separately controllable ventilator for radiant heater (+0–15 min.)
- Language setting
- Reset function (restarting appliances in specific zones)
- Operating hours counter (for chimney cleaning)
- Chimney sweeping mode (continuous operation at 100% for up to 40 minutes)
- Extension up to 240 zones in Modbus system (2-, 3-point, modulating)
- Setting access rights (Admin: 1234)
- Weekly, monthly and annual gas consumption diagram
- Connectivity to Modbus network via RS-485 cabling

CAUTIONS

Read and understand this manual before assembling, starting or servicing the appliance. Incorrect wiring or application of the heating control may cause serious damages. Keep this manual for future reference.
The appliance contains sharp components which may cause injuries, therefore be very careful when performing work on the appliance.

Failure to comply with the precautions and instructions in the manual may result in serious injuries or material damages such as burns, explosions, electric shock or even death.
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge. Children should be supervised to ensure that they do not play with the appliance. The appliance may only be used or serviced by persons who understand and follow the instructions in this manual.
Assistance or further information in connection with the appliance may be requested from the manufacturer.

Automatic program mode: the room is heated to the set temperatures at the times listed on the right side of the display.

In manual heating mode the set target temperature is held continuously, overriding night temperature until control is switched over.

Ventilation function for air heaters. When the measured temperature is above the target value, the fan is operated until the temperature decreases below the target value, or until control is switched over.

When automatic program mode is used, new weekly repeated times can be added to the automatic mode list.

Restarts the heating appliances in the actual zone.

General Settings dialogue box appears.

The switch-off time of the ongoing heating program may be extended in 30 minutes increments up to 2 hours when increase is started again. 1-2 hours of delay in switching off heating is useful e.g. when working overtime.

Deletes the specific heating program.

In automatic program mode specific heating times can be set for certain dates by using the (+) sign.

Zones can be reviewed, selected and set individually.

If performance and gas type were defined in zone settings, gas consumption is calculated and displayed.

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1

- Extract screws
- Open lid carefully

Do not break ribbon cable!

2

- Drill holes on the front panel for cable glands
- One (or two) holes for power lines, and one for thermometer(s) wires are recommended
- Connect 0.75-1.5 mm² cables

Do not drill into the electronic components on the other side.

3

Separate fan control in zones 1 and 2 (230V, 50Hz, phase only!)

Warning! Electric shock hazard!

4

- Close lid carefully
- Replace screws
- System initialization may take 3 minutes

Do not break or pinch any cables.