Smoke and Heat Ventilation Pneumatic - Electronic Control Systems

Option WTM (Version WTM 1b)

Installation and Operation Instructions - Version 1/18

Please read these instructions carefully and completely.
Only qualified personnel may conduct work on the module!
Before starting any work, it is mandatory to deflect static charge!

Symbols used:

◁) = Warning tone / buzzer

1 Concept

● Module for installation in SHEVS Control Centres / Controls. For compatibility see:
www.kg-tectronic.de (Electronics - Control Centres / Controls - Options)
● Outputs for control of warning devices in the case of alarm or malfunction (multiple tone sounder **MS**, beacon **BL**)

2 Putting into service / putting out of service

We do not assume any guarantee or liability for defects caused by faulty connection.

2.1 Installation / putting into service

Perform work on the module only in de-energised condition!

● Put the SHEVS Control Centre / Control out of service as specified in the corresponding operating instructions to install the module. Snap the module to the designated place (see Layout diagram in the Operation Instructions of the SHEVS Control Centre / Control). Attach the flat ribbon cable and wire the module as specified in the enclosed connection diagram.
● Set the functions (see Section 4).
● Put the SHEVS Control Centre / Control back into service. The module is ready for operation.
● While putting into service, check the functions of the module (see Sections 3 and 4).

2.2 Putting out of service

● Putting out of service is as specified in the corresponding operating instructions of the SHEVS Control Centre / Control.

3 Functions, Operation and Maintenance

The outputs are not activated during alarm testing and maintenance mode.

● The outputs for control of warning devices (multiple tone sounder **MS**, beacon **BL**) are activated upon detection of an alarm. The **MS** output can be switched off during an active alarm by pressing the button *Reset* ◁) in the SHEVS Control Centre / Control or in manual call points with buzzer, or by pressing an external reset button. When resetting the alarm, both outputs are automatically switched off.

● **Maintenance:** Check the functioning of the connected warning devices as part of the maintenance of the SHEVS Control Centre / Control once a year.

4 Selectable functions

● "**MS output in the case of malfunction**" DIP switch **1**:
In position ON, the output for the multiple tone sounder is activated if a malfunction is detected. When the malfunction is eliminated, the output is switched off automatically.
Factory setting: OFF (activated in the case of alarm).

● "**BL output in the case of malfunction**" DIP switch **2**:
In position ON, the output for the beacon is activated if a malfunction is detected. When the malfunction is eliminated, the output is switched off automatically.
Factory setting: OFF (activated in the case of alarm).

- "**Auto-Reset**" DIP switch **3** and **4**:
  The output for the multiple tone sounder is automatically switched off after lapse of the preset time, even if the alarm / malfunction persists. For setting options, see the accompanying table.
  Factory setting: Both OFF (no automatic switch off).

Auto reset	DIP 3	DIP 4
disabled	-	-
after 60 s	-	●
after 120 s	●	-
after 180 s	●	●

● = ON / - = OFF

- "**Reset BL**" DIP switch **5**:
  In position ON, the output for the beacon will also be switched off by pressing the button *Reset* ◁ or automatically switched off according to the "Auto Reset" setting.
  Factory setting: OFF (switch off only after the alarm is reset / malfunction is eliminated).
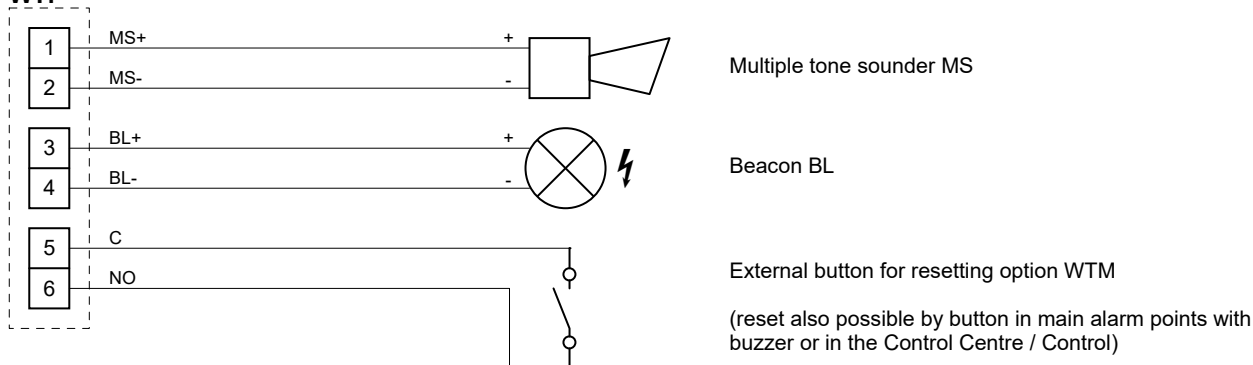
- DIP switch **6**: Do not change setting! Factory setting: OFF.
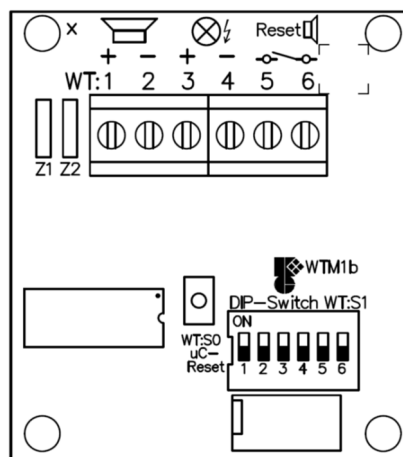
5 Technical Data

Type	Option WTM
Part number	8101 0001 0004
Dimensions in mm (W x H x D)	51 x 58 x 26
Ambient temperature	-5 °C … +40 °C
Relative humidity	20 % … 80 %, non-condensing
Multiple tone sounder **MS**	24 V⎓ / 100 mA
Beacon **BL**	24 V⎓ / 250 mA
External reset button (normally open contact)	any number

For mounting position, see Layout diagram in the Operation Instructions of the SHEVS Control Centre / Control. Not suitable for outdoor use. Protect from direct sunlight, humidity and excessive formation of dust! Preferably, the installation should be carried out in dry, heated rooms.

The requirements of Directives 2014/35/EU and 2014/30/EU are met. $C\epsilon$

6 Connection diagram

WT:

1	MS+ +	Multiple tone sounder MS
2	MS- -	
3	BL+ +	Beacon BL
4	BL- -	
5	C	External button for resetting option WTM
6	NO	(reset also possible by button in main alarm points with buzzer or in the Control Centre / Control)

7 Layout diagram

DIP switch WT:S1:

1: MS output in the case of malfunction
2: BL output in the case of malfunction
3+4: Auto-Reset
5: Reset BL
6: Do not change setting!