



1. Application and Operation

The 'TankAlarm' 2025 Control Unit is designed to give an alarm signal when an external voltage-free switch / relay contact is closed across the unit's input terminals.

The unit incorporates both visual and audible alarms, as well as a test button and an audible alarm mute button. When the external switch is closed, a DC circuit is completed and the alarm circuit is activated.

2. Installation

Please read the following instructions carefully to ensure satisfactory operation!

2.1 General

The 'TankAlarm' 2025 control unit is designed for wall mounting and it is recommended that the unit be installed either inside a fillpoint cabinet or be suitably protected from rain by a canopy. The front of the unit is removed by unscrewing the two captive screws. Two removable rubber grommets are provided for cable access in the base of the unit.

2.2 Mounting

Unscrew the two captive screws in the front of the 'TankAlarm' 2025, and **carefully** remove the lid. The audible alarm mounted in the front of the lid is hard wired to the circuit in the base of the unit, and **care** must be taken not to damage the wiring when removing the lid. The base of the unit is then fixed to the mounting surface by means of two fixing screws through the slotted mounting holes in the base of the unit.

2.3 Wiring

2.31 Wiring to the 'TankAlarm' 2025 control unit must be in suitable cable for the application conditions, and the installation must comply with all statutory requirements that may effect the complete installation.

2.32 The unit must be supplied via an unswitched fuse unit to prevent unauthorised isolation of the system.

2.33 Standard electric installation cable, suitable for a 230V ac supply must be used and consideration must also be given to any special environmental conditions.

2.34 The instrument must be wired in accordance with the wiring diagram on page 2.

3. Testing of System Function

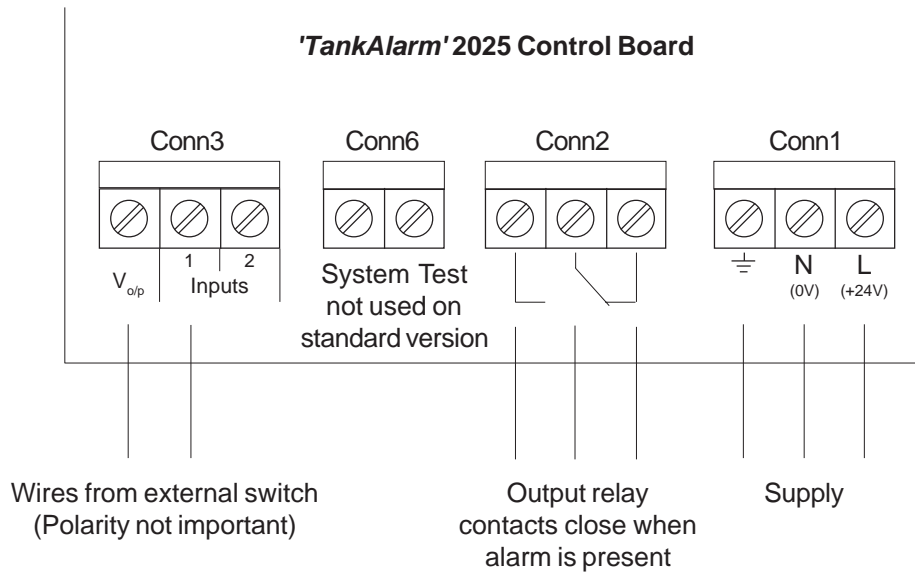
The system can be tested by connecting a switch across the output terminal and either of the the input terminals. When the switch is closed the alarm LED will light, the audible alarm will sound and the output relay contacts will close.

The audible alarm can be muted by pressing the mute alarm pushbutton. When the switch is opened, the alarm LED will go out and the output relay contacts will open



Wiring Diagram

4.

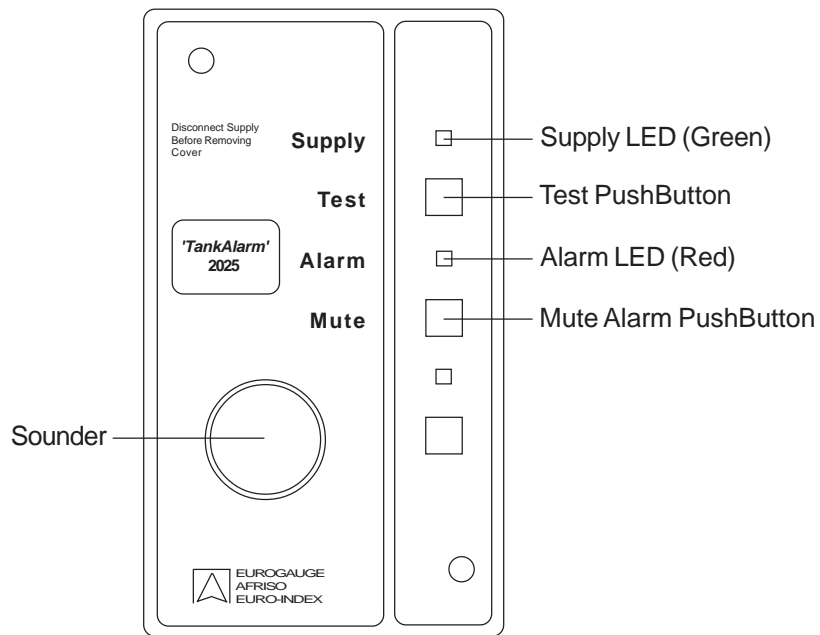


Notes

1. On +24V DC units the +24V connection is made to the live terminal and the 0V connection to the neutral terminal, the earth and 0V terminals are connected together on the PCB.
2. The relay alarm contacts will remain closed when the alarm is muted and will only re-open when the alarm condition has cleared.



Front Panel Controls and Indicators





Specification

Part Numbers	202501000-1	230V ac version.
	202501000-2	110V ac version.
	202501000-4	+24V DC version.
Supplies	110V/230V ac : 50Hz : 3VA. Input voltage (factory set). or +24V DC (factory set).	
Indicators	Green 'power on' LED : Red 'alarm' LED.	
Sounder	Internal piezoelectric sounder.	
Controls	Test pushbutton : Mute alarm pushbutton.	
Input	Voltage-free relay/switch contacts.	
Relay Output	SPCO - Voltage Free. 3 Amps at 250V ac : 750VA. 1A at 12V DC non-inductive load.	
Housing	Plastic enclosure for vertical wall mounting.	
Dimensions (mm)	165 x 98 x 63	
Cable Entry	2 x 18.5mm dia. glands 22mm apart at base of unit.	
Weight	0.48kg.	
Protection	IP52.	

Note: We reserve the right to alter the design or specification of this product without prior notice.



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Declaration of Conformity

ACU 2025 Alarm Unit

This is to certify that the above named product fully complies with the Electromagnetic Compatibility Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC of the European Union and with the requirements of the normative sections of the following harmonised European Standards.

- EN61000-3: Electromagnetic Compatibility - Generic Emission Standard. Residential, Commercial and Light Industry.
- EN61000-2: Electromagnetic Compatibility - Generic Immunity Standard. Heavy Industry.
- EN61010-1: Safety requirements for electrical equipment for measurement, control and laboratory use.

Signed:

(D C Ward)

Position: Technical Services Manager,
Date: 12/10/2007

This declaration applies to the following part number(s):
202501000-1 230V ac version.
202501000-2 110V ac version.
202501000-4 +24V DC version