



TA230

Tank Overflow / Spill Alarm

Installation and Operation Manual

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Description Of Operation

TA230 monitors a container and provides a visual and audible alarm in the event of either an overflow (high level) or spill into a tray or bund in which the sensing wire can be placed.

Visual indicators include a green light indicating that the system is active, and a red light with audible alarm indicating an alarm condition.

Level sensing can be achieved via float switches, any other device or switch that provides a closed contact upon sensing water (various capacitive, optical, paddle switches) or via conductivity (if wire ends become immersed in water).

A non-voltage output relay provides both normally closed and normally open contacts for connection to external sounders, management systems, or other appliances rated up to

Installation

Safety Precautions

Mains Voltage – There are exposed electrical conductors inside this appliance. This appliance must be installed and serviced by a competent electrical technician to the current requirements of BS7671 and IEEE recommendations. Before servicing this appliance, normal safe isolation procedures should be implemented.

Do not touch any connection terminals while energised.

Do not attempt to service this item when wet, or in a wet or high humidity environment.

If the housing of the control panel becomes damaged, you must shut down and securely isolate this appliance immediately.

We recommend that the product and its installation should be fully tested after installation and be inspected and tested periodically thereafter.

Included Components

TA230 Alarm Panel
Attached mains cable
Attached sensor cables (x 2)
Installation & Operation Manual

Layout

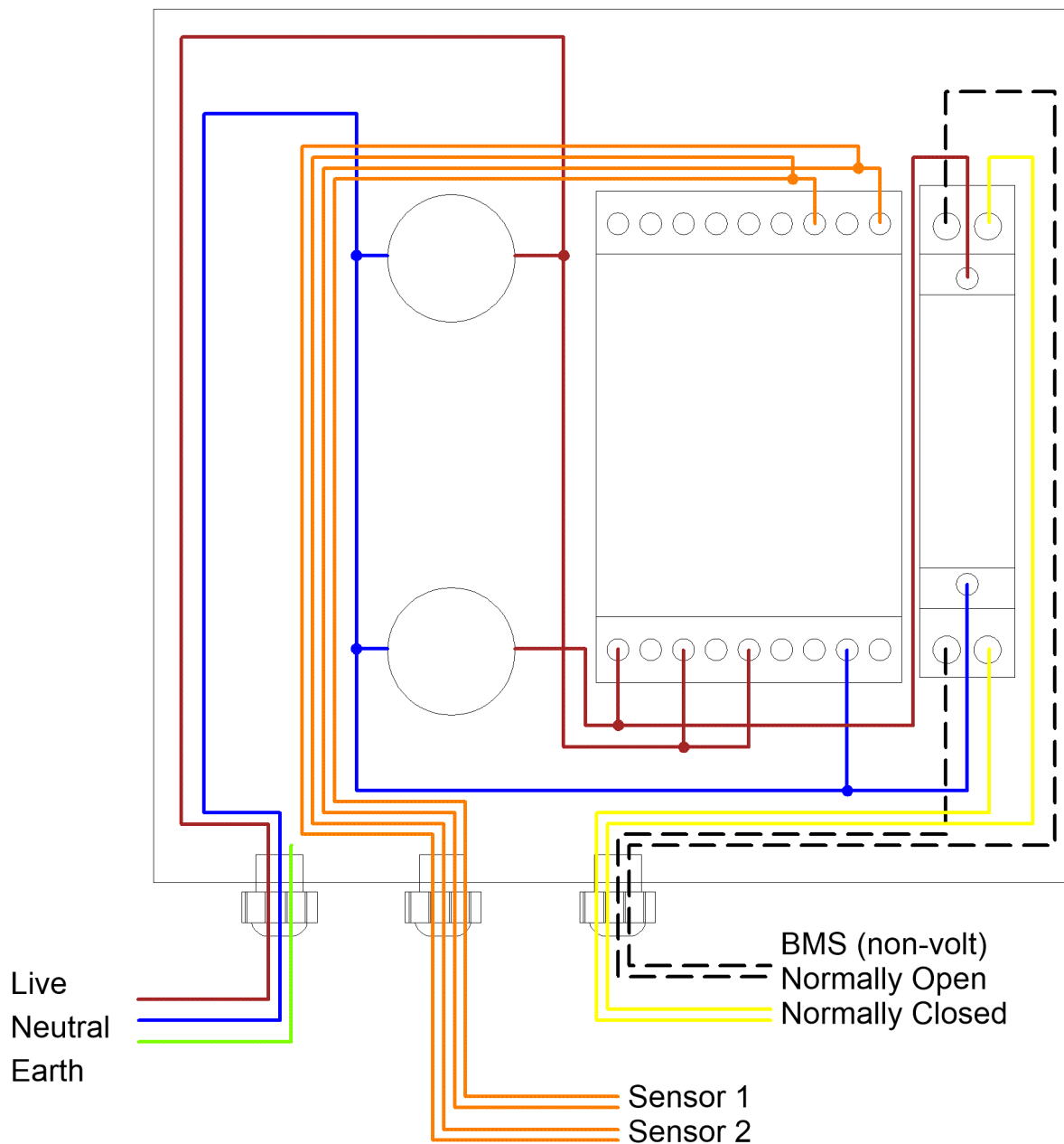
The control panel cannot be mounted outside, it is not fully weather resistant, but can be installed in sheltered outdoor locations (barns, covered areas, etc).

Suitable circuit protection must be installed and should include as a minimum a suitable earth, overcurrent protection, and residual current protection at 30mA, ideally on its own circuit, but always in accordance with BS7671 and applicable regulations.

Control Panel Mounting

Open the cover of the control panel. There are 4 recesses, one on each corner of the panel. Drill through at these locations and attach to the wall or a suitable support, taking care not to damage cabling inside the panel. Fixings are not included and should be selected to suit the material to which the panel will be mounted.

Connections



The mains supply at 230VAC is delivered via the attached power cable with BS1363 moulded plug.

Both sensor cable (already fitted) will either sense water directly when immersed in water, or can operate via a closed contact such as a float switch.

Operation

Safety Precautions

Mains Voltage – There are exposed electrical conductors inside this appliance. Before servicing this appliance, normal safe isolation procedures should be implemented.

Do not attempt to operate this item when wet, or in a wet or high humidity environment.

If the housing of the control panel or attached wiring becomes damaged, you must shut down and securely isolate this appliance immediately.

Usage

Once energised the display panel will show a green light. This light is constantly energised as long as there is power.

The red light indicates that one or both sensor cables are sensing water between the wire ends or are connected to a closed switch (float switch). This light will flash and is accompanied by an 80db tone.

To cancel the visual/audible alarm, shut off power to the alarm unit.

Warranty

All products are covered by a 12 month limited RTB (Return To Base) warranty against materials and manufacturing defects from the date of purchase. The warranty does not cover malfunctioning due to a failure to properly install and / or commission the product in accordance with the installation instructions. The warranty does not cover modification, physical damage or misuse, or operation outside of the products electrical or environmental limits. The warranty is limited to the repair, replacement or cost of replacement of the product at the discretion of 3P Technik UK Limited and does not cover inconvenience or consequential losses. We do not guarantee continuity of operation of any product under any circumstances. For full details see 3P Technik UK Limited terms and conditions.

Specifications

Dimensions	180mm x 182mm x 90mm
Enclosure Material	Polystyrene
Ingress Protection	IP66
Electrical Protection	Class 2
Voltage	230VAC 1~