CENTRE TANK SERVICES LTD

Solutions for diesel, oil, AdBlue® & water tanks



CTS TANK ALARM RANGE

Multi & Single Channel Level Alerts

> High Level > Low Level > Bund Alert

www.centretank.com

CTS - THE TANK MANUFACTURERS' CHOICE

Centre Tank Services Ltd have been supplying the trade with fuel dispensing, storage tank, AdBlue® and lubrication equipment since their incorporation in 1987. Over the last 35 years, CTS have built a trusted reputation within the market for quality products, excellent stockholding and great customer service. This has seen us become the chosen supplier of most tank manufacturers in the UK.

As well as our industry leading, inhouse designed tank alarm range, CTS are also stockists of many large brands of fluid handling equipment. We are the UK exclusive importers of Italian manufacturer Piusi, US made Husky nozzles and American filter range GoldenRod.



WHY CHOOSE CTS AS YOUR SUPPLIER....

We have customers in over 75 countries worldwide, with a client base spanning every continent. Our core customer base is made up of resellers and OEMs including tank manufacturers, forecourt engineers, agricultural merchants, hydraulic companies, fuel distributors, heating and plumbing merchants and general industrial suppliers to name a few. Below is just a snippet of what you can expect from Centre Tank Services' customer support and service:

- A competitive reseller pricing structure and access to special prices.
- Goods available for immediate dispatch from our 14,000 sq ft. warehouse.
- Marketing and sales support including branded promotional literature.
- Technical pre-sale product selection advice and post sale product support.
- 35 years of industry experience in fluid handling in UK and international markets.
- Bespoke designed pump kits for your tank requirements.
- Designated account manager for handling any out of usual day to day business.

QUALITY STANDARDS ARE ESSENTIAL TO OUR BUSINESS....

Quality standards are essential to our business and we set very high standards in the way that we operate. Centre Tank Services have achieved full ISO 9001 accreditation following the audit of our internal systems and procedures.

We are also members of OFTEC, the Federation of Petroleum Supplies, the Petroleum Equipment Installers & Maintenance Federation and the Association for Petroleum and Explosives Administration.

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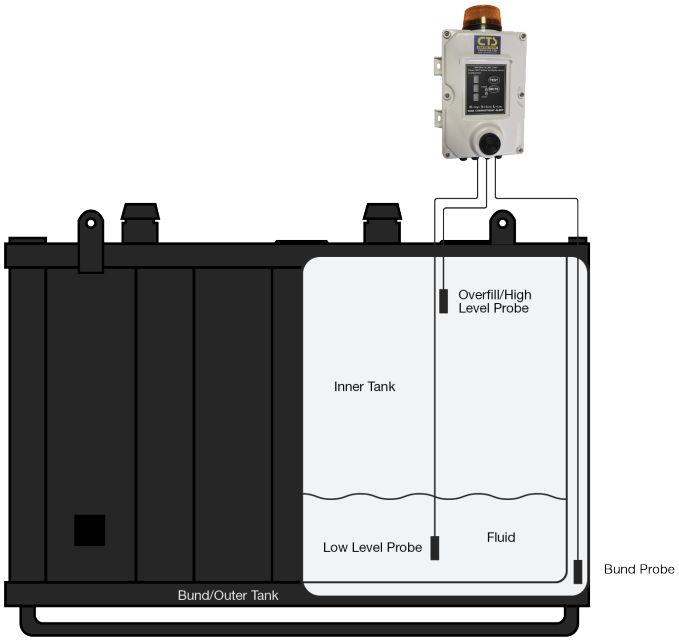
THE ORIGINAL CTS FUEL TANK ALARM
Where it all started....

Centre Tank Services have been suppliers to the fluid handling and fuel storage industry for almost 35 years. Designed in-house using our specialist expertise in the fuel storage market's requirements, the CTS multi-zone tank alarm was originally developed for use on commercial diesel tanks to accurately detect and alert the user of the fuel reaching the set high or low level.

The CTS tank alarm is now the leading solution for level alert amongst UK fuel tank manufacturers and engineers within the industry, and is well recognised on refuelling tanks used in the haulage, construction and agricultural markets.



INDUSTRIES & APPLICATIONS
More than just for diesel....

Whilst commercial diesel refuelling tanks were the initial purpose for which the CTS tank level alarms were developed, the applications they are now used for are unlimited.

Provided that the probe/level switch is compatible with the fluid in question, then the CTS alarm will be a suitable solution for alerting the user that the set level zone has been activated on almost any type of fluid storage tank.



APPLICATIONS WE SUPPLY TANK ALARMS FOR:

- Diesel refuelling
- Generator feed tanks
- Water tanks
- Waste oil containers
- Chemical storage
- AdBlue® tanks
- And more...







CTS CENTRE TANK SERVICES LTD

Single/ Double PROBES

D DIESEL · O OIL · HVO & GTL

Fuel Tank Alarm Probes

The CTS fuel probes are designed for use with the industry renowned CTS alarms. The single probe can accurately detect and alert the user to a choice of high level, low level or bund/leak, whereas the double probe can provide a combination of high and low level detection: High/Low, Low/Low or High/High.

- **High fuel level -** to prevent further filling of the tank and an overspill from occurring
- **Low fuel level -** to indicate that stock is running out and a fuel delivery needs to be ordered
- **Bund alert -** to warn that fluid is present in the bund compartment which may indicate a leak or rain water ingress
- Can be used on other industrial control systems that use a simple reed switch control input - not just the CTS alarms!
- Float is reversible
- For installation onto plastic tanks the plastic tank kit is also required

Code	Description	Alerts	Construction	Cable	Temp	Connection	Fluids
SWS1035	Single Fuel Tank Alarm Probe	High or Low or Bund	PP, FKM, nylon, brass & S/S	5m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1035/9	10m Single Probe For Larger Tanks	High or Low or Bund	PP, FKM, nylon, brass & S/S	10m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1035/2	Double Fuel Tank Alarm Probe	High & Low	PP, FKM, nylon, brass & S/S	5m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1035/2/9	10m Double Probe For Larger Tanks	High & Low	PP, FKM, nylon, brass & S/S	10m PVC	-20°C/+80°C	1 ½" F BSP Brass Cap	D O H&G
SWS1036	Plastic Tank Kit - For Single Probe						AF
SWS1037	Plastic Tank Kit - For Double Probe						AF
SWS1111	Alarm Cable Per Metre		PVC	1m PVC			AF



CTS CENTRE TANK SERVICES LTD

Single PROBES

W WATER · C CHEMICAL · O OIL · AB ADBLUE® · HVO & GTL

Alarm Probes for Other Fluids

Water & Chemical Probe

- Single probe for high or low level alerts on water & chemical tanks
- Please note: Chemical compatibility should be checked
- Suitable for use with AdBlue®

High Viscosity Probe

- Single probe for high or low level alerts on tanks containing thick fluids, heavy fuel oils and liquids containing some debris
- Popular on waste oil tanks

Oil Drum Probe

- Single probe for alerting of a high oil level in a drum
- Designed specifically for waste oil storage systems when the user needs to be aware when the container needs to be emptied

Code	Description	Alerts	Construction	Cable	Temp	Connection	Fluids
SWS1040	Water & Chemical Probe	High or Low	PP body & PE weight	5m PVC	-20°C/+80°C	1 ½" F BSP Polyethylene Cap	W C AB
SWS1038	High Viscosity Probe	High or Low	PP	5m PVC	0°C/+60°C	1 ½" F BSP Plastic Cap	O H&G
SWS1039	Oil Drum Probe	High	PP, FKM, nylon, steel & S/S	5m PVC	-20°C/+80°C	¾" M BSPT Steel Drum	O H&G
SWS1036	Plastic Tank Kit - For Single Probe						AF
SWS1037	Plastic Tank Kit - For Double Probe						AF
SWS1111	Alarm Cable Per Metre			1m PVC			AF

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CTS Multi-Channel Tank Alarm: Redesigned With Our Installers In Mind!

NEW & IMPROVED

CTS Multi-Channel Tank Alarm

The CTS multi-zone tank alarm is a leading solution to detect and alert the user of a combination or all three of the high level, low level, fluid in the bund tank states.

A popular choice amongst fuel tank manufacturers and engineers, making it well recognised on refuelling tanks used in haulage, construction and agriculture, as well as on generator diesel tanks.

Warning light and sounding alarm

Forward facing 85db sounder and top mounted flashing orange strobe (mains) or red LED (battery) for warning of a problem.

Weatherproof IP55 enclosure with light up panel

Channel in question lights up on the front panel to clearly indicate the activated tank state to the user.

Test and mute function

When muted, the flashing light and sounder will turn off, but active LED segment display will stay illuminated until the issue has been dealt with. Battery model has a low battery warning which beeps once per minute.

Automatically reversed float logic for low channels

No need for manual intervention.

Relay options to connect to external equipment

e.g. other alarms, electronic gauges or a building management system for remote monitoring.

Can be used as a pump control

Mains version with relay can control pump on/off, e.g. where a bulk tank fills the day tank, it can automate pump to run when tank contents drops to set low level, and turns pump off at set high level.



Battery Version

Mains Version

CTS CENTRE TANK SERVICES LTD

Multi
CHANNEL

Electric/ Battery
POWER

What's new about the alarm box?

- External mounting lugs for simpler installation without the need to open the box up until wiring is required.
- Captive screws on the enclosure lid to prevent dropping/losing them inside the bund.
- Improved cable gland positioning and larger mains gland for the 1.5mm power cable, comes with gland plugs to prevent water ingress of glands not in use.
- Sounder now radiates from the front for increased sound range.
- Integral rain drip guards above the panel and around the sounder.

WATCH VIDEO »

Please note: If your probe configuration is not listed below, purchase code for the alarm box on it's own and select the probes you need from opposite page.

Code	Description	Power	Probes	Relays	Channel	Fluids
SWS5000	Mains Multi-Channel Alarm Box Only	110v/230v AC / 12-24v DC			Multi - High/Low/Bund	AF
SWS5001	Mains Multi-Channel Alarm Box Only c/w Relays	110v/230v AC / 12-24v DC		3	Multi - High/Low/Bund	AF
SWS5009	Mains Multi-Channel Alarm Box c/w Single Probe & Relays	110v/230v AC / 12-24v DC	Single*	3	Multi - High/Low/Bund	D O H&G
SWS5010	Mains Multi-Channel Alarm Box c/w Single and Double Probe & Relays	110v/230v AC / 12-24v DC	Single & Double*	3	Multi - High/Low/Bund	D O H&G
SWS4000	Battery Multi-Channel Alarm Box Only	6 x AA Batteries			Multi - High/Low/Bund	AF
SWS4001	Battery Multi-Channel Alarm Box Only c/w Relays	6 x AA Batteries		3	Multi - High/Low/Bund	AF
SWS4011	Battery Multi-Channel Alarm Box c/w Single Probe & Relays	6 x AA Batteries	Single*	3	Multi - High/Low/Bund	D O H&G
SWS4012	Battery Multi-Channel Alarm Box c/w Single and Double Probe & Relays	6 x AA Batteries	Single & Double*	3	Multi - High/Low/Bund	D O H&G

*Mains Alarm: 95m max. probe length. Battery Alarm: 45m max. probe length. **Please note:** all cables must be free of electrical noise.

Sophisticated Tank Monitoring When Only One Alert Is Required with the Single Channel Alarm

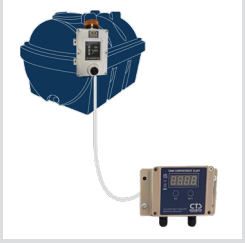


CTS CENTRE TANK SERVICES LTD

Single CHANNEL

Mains/ Battery POWER

Using the single channel alarm as a remote warning device



The mains powered versions of this alarm come with a relay so you can connect it to a single relay on another alarm as a remote warning device.

The second alarm can be positioned 25m away from the other (or 95m away if connecting to a 3 channel alarm), e.g. inside the office, so that you don't have to be in sight/ear shot to be alerted.

The two alarms will act independently from one another so that if one of them is muted, the other will continue to sound until it is muted or the channel is inactivated e.g. the problem is solved.

CTS Single Channel Tank Alarm

Designed for when only one alert is required, the CTS Single Channel Tank Alarm is a sophisticated and flexible alternative to our Economy tank alarm models.

Choose to identify and warn of either a high level, low level or fluid in the bund. Once activated the alarm will sound as well as display the name of the activated tank state on the descriptive red LED text display, so that the user can clearly see what the problem is.

Single channel tank alarm

Choose to warn of either a high level, low level or fluid in the bund depending upon the users' requirements.

Warning light and sounding alarm

90db sounder and red LED text display to clearly warn of the activated tank state so that the user can take action. Also has test and alarm mute options.

Weatherproof IP55 enclosure

IP55 rated enclosure with 4 external mounting lugs.

Automatically reversed float logic for low channels

No need for manual intervention.

Relay options to connect to external equipment

e.g. other alarms, electronic gauges or a building management system for remote monitoring.

Various mains power options

Mains and mains with battery back up versions available for the event of a power cut.

Probe options for different fluid use

Option with 5m fuel probe or without for use with other fluids (select other fluid probe from page 3).

Code	Description	Power	Probe	Relay	Channel	Fluids
SWS2002	Mains Single Channel Tank Alarm c/w Probe	230v	✓	✓	Single - High or Low or Bund	D O H&G
SWS2003	Mains Single Channel Tank Alarm Battery Back-up c/w Probe	230v	✓	✓	Single - High or Low or Bund	D O H&G
SWS2004	Mains Single Channel Tank Alarm Only	230v		✓	Single - High or Low or Bund	AF
SWS2007	Mains Single Channel Tank Alarm Battery Back-up Only	230v		✓	Single - High or Low or Bund	AF
SWS1111	Alarm Cable Per Metre for Remote Installation					AF

*25m max. probe length. **Please note:** all cables must be free of electrical noise.

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D DIESEL | O OIL | HVO & GTL

CTS Economy Tank Alarm

- An economical, entry level tank alarm for one alert
- Version to indicate that the tank has reached the set high/low level & bund version to indicate the presence of fluid in the bund
- Battery powered for portable installations or sites without mains
- Flashing red LED & 90db alarm will sound to alert the user
- Test & alarm mute functions
- Weatherproof IP55 enclosure with 4 external mounting lugs
- Simple operation means battery lasts >72 hours in full alarm mode

CTS CENTRE TANK SERVICES LTD

Single CHANNEL

Battery POWER



Code	Description	Battery	Probe	Channel	Fluids
SWS1024	Economy Tank Level Alarm c/w Probe	1 x PP3	✓*	Single - High or Low	D O H&G
SWS1022	Economy Tank Level Alarm Only	1 x PP3		Single - High or Low	AF
SWS1019	Economy Bund Alarm	1 x PP3	✓*	Single - Bund	D O H&G

*25m max. probe length. **Please note:** all cables must be free of electrical noise.

AB ADBLUE® | W WATER | C CHEMICAL

CTS AdBlue® Tank Alarm

- An economical, entry level tank alarm c/w 5m probe
- Overfill version to indicate that the tank has reached the set high level & bund version to indicate the presence of fluid in the bund
- Battery powered for portable installations or sites without mains
- Flashing red LED & 90db alarm will sound to alert the user
- Test & alarm mute functions
- Weatherproof IP55 enclosure with 4 external mounting lugs
- Simple operation means battery lasts >72 hours in full alarm mode

CTS CENTRE TANK SERVICES LTD

Single CHANNEL

Battery POWER



Code	Description	Battery	Probes	Channel	Fluids
SWS3021	AdBlue® Bund Alarm c/w Probe	1 x PP3	✓*	Single - Bund	AB W C
SWS3022	AdBlue® High Level/Overfill Alarm c/w Probe	1 x PP3	✓*	Single - High	AB W C

*25m max. probe length. **Please note:** all cables must be free of electrical noise.

ANY FLUID

CTS ATEX Approved Tank Alarm

- ATEX tank alarm for alerting of a high level or fluid in the bund
- Battery powered for portable installations or sites without mains
- Flashing red LED & 95db alarm will sound to alert the user
- Continuous siren sounds for 120 secs, then 60 mins of beeping
- Test battery, test alarm & alarm cancel functions
- IP65 metal enclosure
- ATEX approved for Zone 1 II2G Ex ia IIB T4 Gb

CTS CENTRE TANK SERVICES LTD

Two CHANNEL

Battery POWER



Code	Description	Battery	Probe	Channel	Fluids
SWS2006	ATEX Tank Alarm c/w Probe	AAA	✓*	Two - High and Bund	D K J H&G
SWS3023	ATEX Tank Alarm Only	AAA		Two - High and Bund	AF**

*5m max. probe length. **Depending upon compatibility of third party probe used **Please note:** all cables must be free of electrical noise.

ALSO IN OUR PRODUCT RANGE

Fluid & fuel dispensing products:

- Simple hand pumps & electric fuel dispensers
- Automatic & manual refuelling nozzles
- Flow meters, fiilters & delivery hoses





Storage tank accessories:

- Tank gauges & level alarms
- Fill point caps & vent equipment
- Valves & fittings





Oil heating equipment:

- Fire valves & brass fittings
- Oil tank level gauges
- Heating oil lines & meters





AdBlue® Handling

- Transfer pumps for drums, IBCs & tanks
- Automatic & manual refuelling nozzles
- Gauges, flow meters & delivery hoses





PLEASE CONTACT US FOR MORE INFORMATION

We are happy to help....

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