

Materials

Enclosure: Polybutylene terephthalate

Wire Grommet: Nylon w/ buna seal

Float Switch: Closed cell buna float
& stainless steel rod

Pipe: Stainless steel

Tank Adaptor: Aluminum hardcoat anodized

444TA



Features

- ◆ Up to four alarm signals (444TA) – can be used for high or low liquid level sensing, interstitial monitoring, and/or other signals in one to 4 separate tanks.
- ◆ Self-Powered – lithium battery with a 10-year shelf life for long service life.
- ◆ Audible Alarm – sounds a 90-decibel alarm at 4 feet away.
- ◆ Visual Notifications – red alarm light will flash during use for notification to the user. Low battery light indicates when battery needs replaced.
- ◆ Corrosion-Resistant Construction – petroleum and environmental resistant housing and all stainless steel pipe fitting ensure a long product life.
- ◆ Product /Alarm Identification Label – located on top of the alarm for quick and easy identification, allowing you to correspond alarms to signals. Label has a protective covering.
- ◆ Intrinsically Safe – complies with ANSI/UL 913 for Class 1, Division 1 & 2 for Groups C & D hazardous locations.
- ◆ Cold Weather Resistant – all components are safe for temperatures down to -40°F operation (and up to 120° F).
- ◆ Long Life Lithium Battery – self-powered by a lithium battery which includes a 10-year shelf life to ensure peace of mind for the owner.
- ◆ Easy Installation – requires no calibration and installs easily into a 1" tank bung. May be assembled remotely or directly on top of tank.



TGTA-0400 4" Tank Bung
Combo Fitting
Note: Drop Tube must be
used with TGTA-0400.

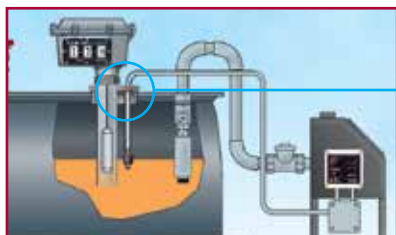
444TA and 144TA Instruction Sheet
Order Number: 200655

Ordering Specifications:

**The OPW 144TA/444TA Requires the OPW 44TA-LLFS,

| Product # | Description | lb. | kg |
|-------------|--|-----|-----|
| 444TA-0100* | Four Signal Tank Alarm, does not include Float Switch | 4 | 1.8 |
| 44TA-LLFS** | 36" Liquid-Level Float Switch Sub-Assembly | 0 | 0.0 |
| 144TA-0100 | Single Channel Liquid Level Tank Alarm, does not include Float Switch | 4 | 1.8 |
| TGTA-0400 | 4" Tank Bung Gauge and Alarm Combo Fitting (OPW 61T required for use) | 10 | 4.5 |

**The OPW 144TA/444TA Requires the OPW 44TA-LLFS, the OPW 44TA-LLFS must be purchased as a separate item.



Replacement Parts:

| Part # | Description |
|--|--------------------------------|
| 44TA-LLFS | Liquid-Level Float Switch ASSY |
| H15412M | Wire Fitting |
| H15411M | Float Switch |
| Items to Convert to a Low Level Alarm: | |
| C05295M | SST Tube |
| Battery Module | |
| H15937M | 444TA-0100 |
| See Note 144TA-0100* | |

Approvals and Listings



Conforms to ANSI / UL STD 913
Certified to CAN / CSA STD C22.2 No. 157-92
Florida EQ-610
CARB Certified

OPW 444TA AST Four Signal Tank Alarm and OPW 144TA AST Liquid Level Tank Alarm

The OPW AST remote Four Signal Tank Alarm is designed to sense up to four different liquid levels or other signals using just one device.

The OPW 144TA Tank Alarm is designed for liquid level sensing.

Alarm Technical Information:

Hazardous Location Approval: Class I, Groups C & D

Maximum Voltage: 7.2 Volts

Maximum Current: 8 ma. per input (32 ma. total)

Maximum Internal Capacitance: 23 uF

Maximum Internal Inductance: 33 mH

Maximum Ambient Temperature Rating: 60° C

Maximum Surface Temperature Classification:

T4 Surface Code

Wiring limitations: 1000 foot maximum between the 144TA/444TA unit and any remote switch for each channel of the alarm. This assumes that maximum capacitance for any input is 60 nanoFarads and that the maximum inductance is 0.2 milliHenry per input (UL-913 A7.3)

Note: This device is designed to work independently and should not be wired in parallel with another device, except as defined in the following instructions.

Requirements for devices wired to the 144TA/444TA:

- Attached wiring and devices must be classed Intrinsically Safe
- No voltage or current source
- Maximum capacitance: 60 nanoFarads (.06 uF) per input
- Maximum inductance: 200 microHenrys (.2 mH) per input

Float Switch Technical Information:

Minimum liquid specific gravity: 0.45.

Stem material: Stainless steel. Float Material: Closed Cell Buna-N (UL Approved) for gasoline services.

Max Pressure: 150 psi @ 70° F. Thread 1/8" NPT.

***NOTE:** When replacing the battery for the 144TA-0100, open the alarm box and locate the OPW number on the black battery module. If the number reads "C05346" then use the replacement part H15615M. If the number reads "144TA-0100" then use the replacement part 202891.

444TA Dimensions:

| | in. | cm |
|---|--------|------|
| A | 5 1/32 | 12.8 |
| B | 5 1/32 | 12.8 |
| C | 4 3/16 | 10.6 |

144TA Dimensions:

| | in. | cm |
|---|---------|------|
| A | 5 1/32 | 12.8 |
| B | 5 1/32 | 12.8 |
| C | 3 | 7.6 |
| D | 4 3/16 | 10.6 |
| E | 1 15/16 | 4.9 |
| F | 35 | 88.9 |
| G | 1 15/16 | 4.9 |
| H | 1 | 2.5 |