



# Indoor and Outdoor Panels and Accessories

### FEATURES

Indoor and Outdoor alarm panels for sump, effluent and wastewater systems as well as test panel for troubleshooting.

Use Normally Open (NO) floats for high level or Normally Closed (NC) for low level indication.

Enclosures rated by NEMA Standards for location/ placement.

- NEMA 1 for indoor use
- NEMA 3R or 4X enclosures for outdoor use

LA... (Boulay Fab. Level Alarm) units are sold less floats

TA... (Tank Alert®) alarms are provided with floats

A4-2 (TA-AB) is a new design - see new data section




A4-TEST maintenance panel

Standard models require a 120V power supply

Battery backup alarm available on some models

Two Wireless Alarm units - allow retrofitting an alarm without digging up lawns and landscaping. There is a standard unlisted model and one with a UL listed enclosure and power supply.

### MODEL INFORMATION

Alarm Order No.	Agency Listing	NEMA Rating <sup>③</sup>	Float Switch Included	Float Switch Length	Power Cord Length	Audible Alarm Type/db at 10'	Primary Power	Hertz	Voltage to Float Switch	Battery Backup Alarm	Additional Features	
A4-2 (TA-AB)	UL, CSA	N1		10'	6'	Horn / 87	120 VAC	60	9 VDC	Yes		
TAN1M*	UL, CSA							Horn / 88		12 VAC	No	
TAN3M*	UL, CSA	N3R		15'		Horn / 85		50/60				
TAN4M*		N4X			N/A	Horn / 88			120 VAC	No		
TAABW	FCC	N1	Yes									
TAABWUL	FCC 		10'	6'	Horn / 87	60		9 VDC	Yes	①		
TAABP			10' <sup>②</sup>							②		
LAN1	UL, CSA											
LAN4	UL, CSA	N4X	No	Order Separately	N/A	Bell / 88 Horn / 95 @ 2'			120 VAC	No		

\* M = Mechanical SignalMaster Switch

① This device is wireless and will transmit a signal up to 150' between the transmitter and the alarm, it requires line of sight clearance between the transmitter and the alarm panel, i.e. (no hills in between).

② The TAABP has a 120V, NEMA 5-15R, 13.8 Amp Max. receptacle on the bottom to accommodate a pump plug.

③ N1= Indoor, N3R = Raintight (Outdoor), N4X = Watertight (Outdoor) and Corrosion Resistant (Fiberglass).

### A4-2 (AB Alarm with Battery Backup)

- CSA Certified and UL Listed
  - NEMA 1 enclosure, designed for ease of installation, rated for indoor use.
  - If primary power fails, the alarm system continues to work due to battery backup feature (battery not included).
  - Voltage:
    - Primary: 120 VAC, 60 Hz, 2.4 watts maximum, (alarm condition)
    - Secondary: 9 VDC to switch
  - Battery Backup Power: 9 VDC
  - Alarm Horn: 87 decibels at 10 feet (3 meters)
  - Power Cord: 6 feet (1.8 meters)
  - Red "alarm" light and green "power on" light, alarm "test" switch, and horn "silence" switch.
  - Complete package includes standard SJE SignalMaster® control switch with 10 feet of cable and mounting clamp. SJE SignalMaster control switch passes NSF Standard 61 protocol by an approved Water Quality Association laboratory.
- ① For float switch connection only. Do not apply power. (Voltage across terminals is 8-9 VDC.) See picture below.



### TAN1M (No Battery Backup)

- CSA Certified and UL Listed
- NEMA 1 enclosure, designed for ease of installation, rated for indoor use.
- Voltage:
  - Primary: 120 VAC, 50/60 Hz, 5 watts maximum, (alarm condition)
  - Secondary: 12 VAC float voltage
- Alarm Horn: 86 decibels at 10 feet (3 meters)
- Power Cord: 6 feet (1.8 meters)
- Float Switch Connection Terminal: For float switch connection only. Do not apply power. (Voltage across terminals is 12 VAC.)
- Float Switch: Sensor Float® 15' control switch with mounting clamp.
- Red warning light, warning light stays on until condition is remedied.
- Green "power on" light, alarm test switch and horn silence switch.
- Mechanical SignalMaster® Float on TAN1M, switches are rated for a maximum fluid temperature of 140° F (60° C).
- Does not control or interface with pump.
- Operates even if pump circuit fails when wired on separate circuit.



### TAN3M (XT Alarm System)

- The Tank Alert® XT can be used as a high level alarm in lift chambers, sump pump basins and holding tanks.
- UL Listed (for indoor and outdoor use) and CSA Certified.
- Voltage: 120 VAC, 50/60 Hz, 8.5 watts maximum, (alarm condition)
- Enclosure meets Type 3R water-tight standards, listed for indoor or outdoor use under UL standard 864. Dimensions are 6.5" x 4.5" x 3.0"
- Premounted terminal block so enclosure can also be used as a junction box for splicing pump, pump switch and pump power. Meets NEC standard for junction boxes.
- N.O. float switch has a 15' long, 18 gauge, 2 conductor SJOW (UL) cord
- Mechanical SignalMaster® Float on TAN3M, switches are rated for a maximum fluid temperature of 140° F (60° C)
- Automatic alarm reset, alarm test switch and horn silence switch
- Alarm Horn: 85 decibels at 10 feet (3 meters)
- Does not control or interface with pump
- Operates even if pump circuit fails when wired on separate circuit
- No power cord.



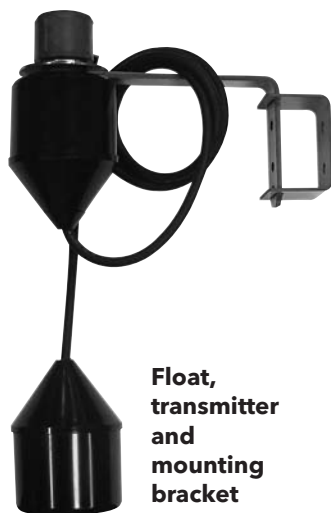
### TAN4M (4X Alarm System)

- The Tank Alert® 4X can be used as a weatherproof high level alarm in lift chambers, sump pump basins and holding tanks.
- UL and cUL Listed
- Single phase, 120 volt, 60/50 hertz power supply required, 7 watts max. during alarm condition
- NEMA 4X enclosure rated for indoor or outdoor use.
- No power cord.
- Float Switch: Sensor Float® control switch with mounting clamp, 15' long, 18 gauge, SJOW.
- Stainless steel alarm horn sounds at 88db @ 10' (3 meters)
- NEMA 4X alarm beacon
- Automatic alarm reset and alarm test/normal/horn silence switch
- Dimensions are 6.4" x 5.3" x 5.0"
- Switches are rated for a maximum fluid temperature of 140° F (60° C)
- Does not control or interface with pump
- Operates even if pump circuit fails when wired on separate circuit.



### TAABW (Alarm System - Standard Unit)

- The Tank Alert® ABW features a battery operated, wireless transmitter that is placed in a tank up to 150' from the receiver/alarm.
- Easy to install, wireless liquid level alarm system with auto-reset, battery backup feature, add to existing systems without digging up lawns and landscaping.
- NEMA 1 indoor rated alarm enclosure
- FCC approved wireless transmitter with up to 150' range, includes mounting bracket
- Red "alarm" light and green "power on" light, alarm "test" switch, and horn "silence" switch
- Includes 10' Sensor Float® mechanical control switch
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock.
- Alarm horn: 87 db @ 10'
- Battery backup power: 9 VDC (battery not included)
- Power cord: 6' cord supplied
- Alarm Enclosure: 6" x 4" x 2.25" NEMA 1 plastic
- Long life Lithium battery in transmitter (recommend replacement every 2 years)
- Loss of signal alarm. After 3 hours and 15 min. without a signal, an alarm sounds and the red light blinks.
- Agency Listing: FCC (FCC ID# SCP TAABW01)



**Float,  
transmitter  
and  
mounting  
bracket**



### TAABWUL (UL/cUL Listed Components)

- The Tank Alert ABW UL features a battery operated wireless transmitter that is placed in a tank up to 150' from the receiver/alarm.
- Easy to install, wireless liquid level alarm system with auto-reset, battery backup feature, add to existing systems without digging up lawns and landscaping.
- TAABWUL version has a UL/cUL listed enclosure and power supply
- NEMA 1 indoor rated alarm enclosure
- FCC approved wireless transmitter with up to 150' range, includes mounting bracket
- Red "alarm" light and green "power on" light, alarm "test" switch, and horn "silence" switch
- Includes 10' Sensor Float® mechanical control switch
- Switching mechanism operates on low voltage and is isolated from the power line to reduce the possibility of shock.
- Alarm horn: 87 db @ 10'
- Battery backup power: 9 VDC (battery not included)
- Power cord: 6' UL/CUL listed class 2 power cord supplied
- Alarm Enclosure: 4.6" x 2.5" x 1.5" NEMA 1 plastic
- Long life Lithium battery in transmitter (recommend replacement every 2 years)
- Loss of signal alarm. After 3 hours and 15 min. without a signal, an alarm sounds and the red light blinks.
- Agency Listings: FCC (FCC ID# SCP TAABW01)



**TAABWUL**

**TAABP (ABP Alarm with Pump Receptacle)**

- 120V receptacle on bottom to plug in pump power cord.
  - Control Switches: Two-factory spliced SJE MilliAmpMaster™ control switches with 10' of cable and mounting clamps.
  - UL/cUL Listed
  - NEMA 1 enclosure, designed for ease of installation, rated for indoor use.
  - Voltage:
    - Primary: 120 VAC, 60 Hz, 2.4 watts maximum
    - Secondary: 9 VDC
  - Battery Backup Power: 9 VDC
  - Alarm Horn: 87 decibels at 10 feet (3 meters)
  - Power Cord: 6 feet (1.8 meters)
  - Automatic alarm reset
  - Red "alarm" light and green "power on/pump run" light, alarm "test" switch, and horn "silence" switch.
  - Alarm float acts as redundant on float for pump.
- ① External 8-9 VDC terminal connection for float cord. *See picture below.*



## Wastewater and Water Systems

**LAN1**

- UL and CSA Listed
- Provides warning of high liquid level conditions when used with a Normally Open (N.O.) float switch. Use a Normally Closed (N.C.) switch for low level warning.
- Single phase, 120 volt, 60 hertz power required
- NEMA 1 painted steel enclosure suitable for indoor use
- Dimensions are 8" x 8" x 4"
- Alarm bell, 88db @ 10' (3 meters)
- Red warning light (non-flashing) on panel front
- Power On light
- Off/On reset switch through door
- Does not control or interface with pump
- Alarm bell and light stay on until reset even if level goes down
- Operates even if pump circuit fails when wired on separate circuit
- Float switch required, order switch separately (N.O. = A2D11 mechanical, N.C. for low level alarm = A2E23U mechanical)

**LAN4**

- UL and CSA Listed
- Provides warning of high liquid level conditions when used with a Normally Open (N.O.) float switch. Use a Normally Closed (N.C.) switch for low level warning.
- Single phase, 120 volt, 60 hertz power required
- NEMA 4X fiberglass, corrosion resistant, weatherproof enclosure suitable for outdoor use and damp environments
- Dimensions are 14" (includes light) x 10" x 5.5"
- NEMA 4X alarm buzzer, 95db @ 2' (.6 meters)
- NEMA 4X flashing alarm light on top of panel provides up to 360° signal depending on mounting
- Power On light inside enclosure
- Off/On reset switch inside enclosure
- Locking hasp on door
- Does not control or interface with pump
- Alarm bell and light stay on until reset even if level goes down
- Operates even if pump circuit fails when wired on separate circuit
- Float switch required, order switch separately (N.O. = A2D11 mechanical, N.C. for low level alarm = A2E23U mechanical)



## A4-TEST

- NEMA 4X fiberglass box
- Tester panel
- Easy float testing
- Maintenance and troubleshooting tool
- Wiring for 3 or 4 float testing
- Includes color coded leads
- Toggle open and closed positions



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