



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: July 2019

Incorporated in Rule 62-762.851, F.A.C.

Storage Tank System Equipment Registration Form

Fill out completely

General Information

Company Name: Simplex, Inc. Contact Name: David Hurtado
Company Address: 5300 Rising Moon Road City, State: Springfield, IL Zip: 62711
E-mail: david@hurtado.cc Contact Number: 386-690-6361
Product Name: Tank Alarm Panel
Model Number(s): TC-8 Product Type: Leak Detection Device
Rule(s) citation that registration is being requested within Chapter 62-761 (UST), and/or 62-762 (AST), F.A.C.: 62-762.601.(2).(a).4
Electronic sensors in a normally dry interstice.

Write a brief description of equipment registration request including product limitations:

Submitting for renewal. No changes to product since last approval (see attached).

Information Checklist (Choose Yes, No, or N/A - Not Applicable):

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory? (Required)	☐	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☐	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☐	☐	☐
4. Technical information and drawings included?	☐	☐	☐
5. Installation instructions included?	☐	☐	☐
6. Annual Operability Testing Requirements (Rules 62-761.500, 62-762.501, & 62-762.502 F.A.C.)?	☐	☐	☐
7. Integrity Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702, F.A.C.)?	☐	☐	☐
8. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☐	☐	☐
9. Has the product been approved or registered in other countries or states? (If so provide list)	☐	☐	☐
10. Any requirements for company-certified installers or trainers?	☐	☐	☐
11. Was this product(s) previously approved or registered by the Department? If yes, EQ- <u>902</u>	☒	☐	☐
12. Any changes or modifications to the equipment since the last submittal to DEP?	☐	☒	☐

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@floridadep.gov, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

David Hurtado
Printed Name and Title

Signature (right click to sign)

11/9/2023
Date

For Department Use Only:

Date Application Received: 11/9/2023 Application complete: Yes: ☒ No: ☐

EQ- 902 Date of complete or incomplete letter sent: 12/11/2023 Date Equipment Requires Renewal: 12/11/2028

Storage tank system equipment requires renewal every 5 years in accordance with subsection 62-762.851(2), F.A.C.



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-761.900(9)

Form Title: Storage Tank Equipment

Registration Form

Effective Date: January 2017

Incorporated in Rule 62-761.850, F.A.C.

Storage Tank Equipment Registration Form

Fill out completely

General Information

Company Name: Simplex, Inc.

Company Address: 5300 Rising Moon Road

E-mail: david@hurtado.cc

Product Name: Tank Alarm Panel

Model Number(s): TC-8

Contact Name: David Hurtado

City: Springfield

Zip: 62711

Contact Number: 386-690-6361

Product Type: Leak Detection Device

Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested: 62-762.601.(2).(a).4 Electronic sensors in a normally dry interstice.

Write a brief description of equipment registration request including product limitations:

The Simplex TC-8 Tank Alarm Panel is submitted for approval as a leak detection device, providing audio and visual alarms. The leak detection sensor (p/n LS600-LDBN) is as previously approved under EQ#240. The TC-8 carries a UL 508A Label.

Information Checklist

	Yes	No	N/A
1. Third-party Certification by a Nationally Recognized Testing Laboratory?	☒	☐	☐
2. Documentation of third-party evaluation that the equipment meets DEP Rules?	☒	☐	☐
3. Documents included about the qualifications of the Nationally Recognized Testing Laboratory?	☐	☒	☐
4. Installation instructions included?	☒	☐	☐
5. Technical information and drawings included?	☒	☐	☐
6. Annual Operability Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702 F.A.C.)?	☒	☐	☐
7. Compatible with fuel blends containing >10% ethanol or >20% biodiesel?	☒	☐	☐
8. Has the product been approved or registered in other countries or states? (If so provide list)	☐	☐	☒
9. Any requirements for company-certified installers or trainers?	☐	☒	☐
10. Was this product(s) previously approved or registered by the Department?	☐	☒	☐
If yes, please specify the Equipment Number: <u>EQ-_____</u>			
11. Any changes or modifications to the equipment since the last submittal to DEP?	☐	☐	☒

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@dep.state.fl.us, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

The Simplex TC-8 Tank Alarm Panel is used to monitor High Fuel Level, Low Fuel Level, and Tank Leaks through audio and visual alarms. Relay dry contacts are provided for remote alarms. The TC-8 receives signals from float switches mounted on the tank. The TC-8 Tank Alarm Panel is available in 120VAC and 24VDC voltages. The TC-8 is for use with fuel oil or other Class II liquids or non-flammable liquids or chemicals.

Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

David Hurtado, Representative for Simplex, Inc.

Printed Name and Title

David
Signature
Hurtado

Digitally signed by David Hurtado
DN: cn=David Hurtado,
o=Hurtado, cc, ou,
email=david@hurtado.cc, c=US
Date: 2018.09.20 13:18:52 -04'00'

9/20/2018

Date

For Department Use Only:

Date Application Received: 9/20/2018-RENEW 9/20/2023 Application complete:

Yes: ☒ No: ☐

EQ- 902

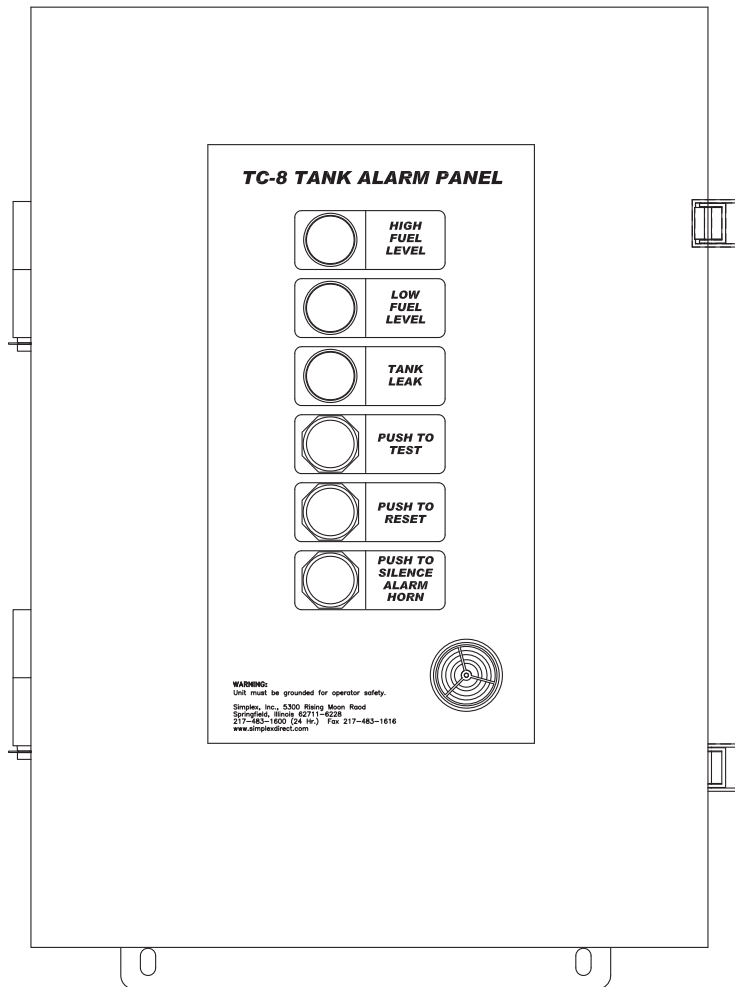
Date of complete or incomplete letter sent: 9/20/2018

Date of entry to the DEP Equipment Registration List: 9/20/2018

SIMPLEX[®]

TC-8 TANK ALARM PANEL

April 2012



Contents

DESCRIPTION	2
INSTALLATION.....	3

The information herein is the property of Simplex, Inc. and/or its subsidiaries.
Without written permission, any copying, transmitting to others, and other use
except that for which it is loaned, is prohibited.

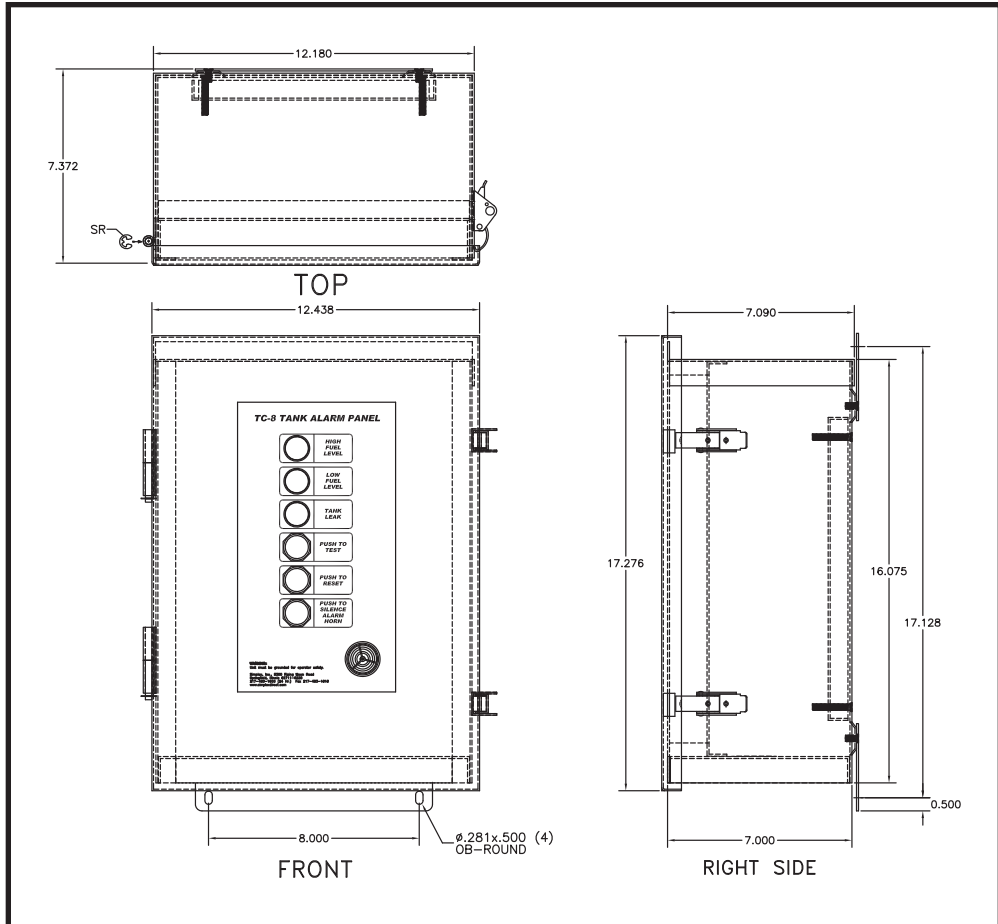
DESCRIPTION

The Simplex Tank Commander TC-8 Tank Alarm Panel is used to monitor High Level, Low Level, and Tank Leak Alarms. The TC-8 provides both audio and visual indication. Relay dry contacts are provided for remote alarms. The TC-8 receives signals from float switches mounted on the tank. The float switches may be included as an option or provided by others.

The TC-8 is available in 120VAC and 24VDC voltages. The TC-8 is for use with fuel oil or other Class II liquids or non-flammable liquids or chemicals. The TC-8 carries a UL 508A Label.

The TC-8 includes:

- NEMA-3R rainproof, lockable enclosure with hinged door
- UL 508A Label
- Red alarm light; high level
- Red alarm light; low level
- Red alarm light; tank leak
- 90dB audible alarm horn with silence pushbutton
- Press-To-Test pushbutton
- Press-To-Reset pushbutton

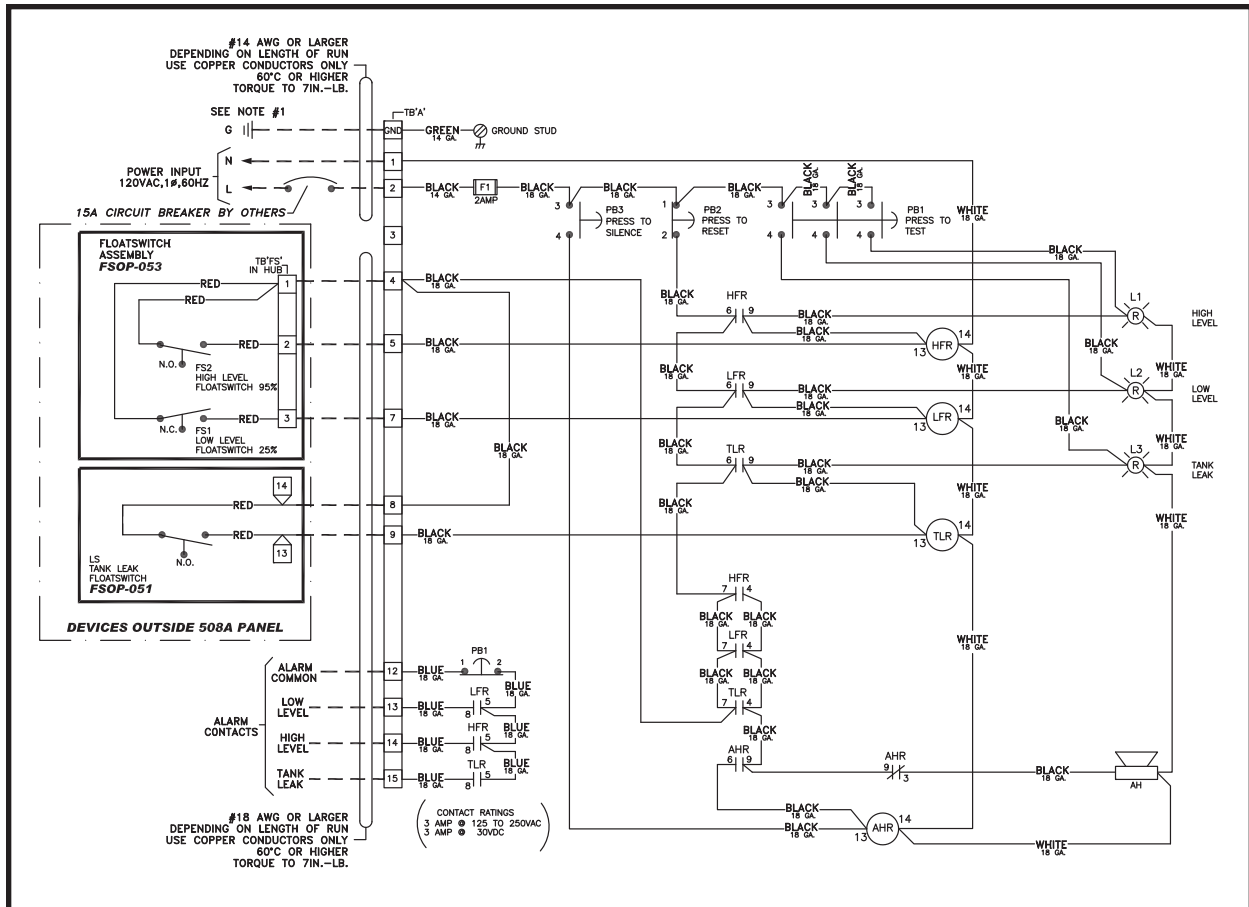


Pictorial Drawing Example

- Indicators for
 - Tank leak (external input)
 - High Fuel alarm (external input)
 - Low Fuel alarm (external input)
- Level sensors, optional

TC-8 specifications:

- Power supply: 115VAC, 1Ø, 60 Hz or 24VDC
- Application:
 - Fuel oil or other Class II liquids or non-flammable liquids or chemicals
- Alarm contacts: 3A @ 125/250VAC, 30VDC



Wiring Drawing Example

INSTALLATION

1. See Pictorial Drawings:
 - a. Properly mount and attach all components as shown using the mounting slots/holes provided.
 - b. Install TC-8 Tank Alarm Panel, Float-switch Assembly and Tank Leak Float-switch in the appropriate NPT fittings in the top of the fuel storage tank.
2. See Wiring Drawing. Make all connections per specifications on the drawings provided.
 - a. Connect TB'A' GND on the TC-8 Tank to an earthground.
 - b. Connect TB'A' 1-2 to 120V, 1Ø, 60Hz power input and customer supplied 15A circuit breaker as shown.
 - c. Connect floatswitches to TB'A' contacts as shown.
 - d. If needed, connect customer supplied alarm devices to contacts on TB'A' as shown.

Contacts are rated 3A @ 125 to 250VAC, 3A @ 30VDC.



WARNING

Never operate or service a Tank Alarm Panel that is not properly grounded.

TC-8

Tank Alarm Panel

Description

The Simplex Tank Commander TC-8 Tank Alarm Panel is used to monitor High Level, Low Level, and Tank Leak Alarms. The TC-8 provides both audio and visual indication. Relay dry contacts are provided for remote alarms. The TC-8 receives signals from float switches mounted on the tank. The float switches may be included as an option or provided by others.

The TC-8 is available in 120VAC and 24VDC voltages. The TC-8 is for use with fuel oil or other Class II liquids or non-flammable liquids or chemicals. The TC-8 carries a UL 508A Label.

Includes

- NEMA-3R rainproof, lockable enclosure with hinged door
- UL 508A Label
- Red alarm light; high level
- Red alarm light; low level
- Red alarm light; tank leak
- 90dB audible alarm horn with silence pushbutton
- Press-To-Test pushbutton
- Press-To-Reset pushbutton
- Indicators for
 - Tank leak (external input)
 - High Fuel alarm (external input)
 - Low Fuel alarm (external input)
- Level sensors, optional



Specifications

Power supply:

115VAC, 1Ø, 60 Hz or 24VDC

Application:

Fuel oil or other Class II liquids or non-flammable liquids or chemicals

Alarm contacts:

3A @125/250VAC, 30VDC



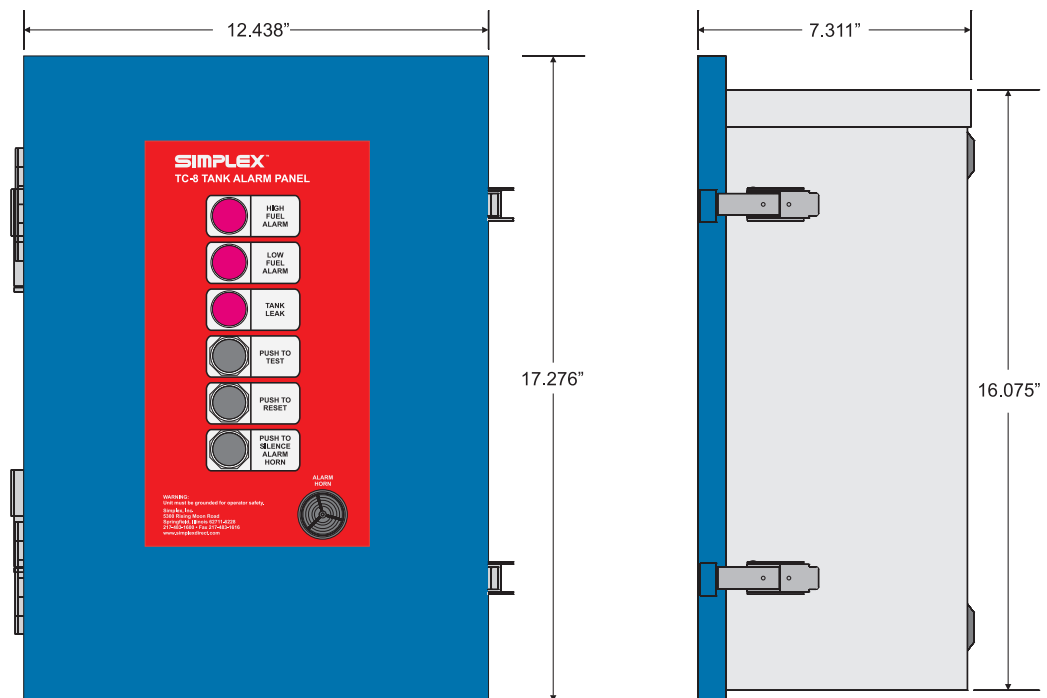
Level Sensor

TC-8

Tank Alarm Panel • Page 2

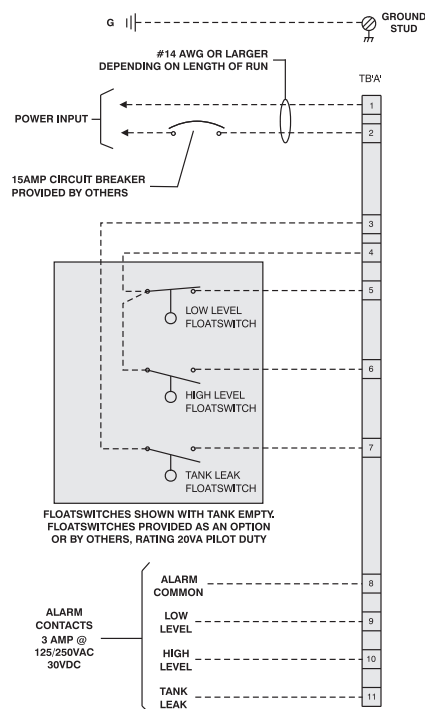
SIMPLEX®

Dimensions and Connections



FRONT VIEW

RIGHT SIDE VIEW





IMPROVED CERTIFICATIONS SEARCH TOOL. REGISTER NOW!

[LEARN MORE](#)

NITW.E165856 Industrial Control Panels

[Page Bottom](#)

Industrial Control Panels

[See General Information for Industrial Control Panels](#)**SIMPLEX INC**

E165856

5300 RISING MOON RD
SPRINGFIELD, IL 62711-6228 USA

Industrial control panels.

[Last Updated](#) on 2006-11-08

[Questions?](#)[Print this page](#)[Terms of Use](#)[Page Top](#)

© 2018 UL LLC

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2018 UL LLC".