



THE DETECTION GROUP DT-553 Trident Valve Controller Instruction Manual

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THE DETECTION GROUP DT-553 Trident Valve Controller



Operating Information

Re-register Device

Press and hold the Center Button for ~12 seconds. Lights will flash and device will beep one time. Once the registration is complete the device will blink the status indicator every 15 seconds with the addition of a blink based on the following:

STATUS OF CONNECTED VALVE

- **Blue** Blue flash if valve open.
 - **Red** Red flash if valve is closed.
- No flash if valve not connected.

STATUS OF CONNECTED RELAY

- **Blue** Blue flash if relay open.
 - **Red** Red flash if relay closed.
- No flash if relay not connected.

Power-Cycle

Press and hold open and close buttons for ~12 seconds. All lights will flash and device will beep one time.



Active Mode

Device checks for water every 15 seconds at the same time as the LED blink.

Any connected valves will blink their status every 15 seconds after the initial device status led:


- **Blue** = Open
- **Red** = Closed

Pressing the center button causes the status blink sequence to occur.

Water Alarm Mode

Device blinks red and beeps once every 3 seconds.

SILENCE ALARM

- Press the Center Button the device will silence and then go into a lockout period in which the device will not sense water.
- During this lockout period the device will blink  every 15 seconds.
- The default lockout period is 30 minutes. RESET DEVICE
- Press and hold the Center Button for ~12 seconds to exit the “lockout period” and set the sensor to active mode.
- Valves need to be manually opened by using

Controlling Valve + Relay

Open Valve or Relay :

PRESS LEFT BUTTON

Once for valve

Twice quickly for relay

- In Process: LED Solid 
- On Success: LED 
- Failure: Rapid  LED (See Troubleshooting section)
- Close Valve or Relay :
- PRESS RIGHT BUTTON Once for valve
Twice quickly for relay
- In Process: LED Solid 
- On Success: LED 
- Failure: Rapid LED  (See Troubleshooting section)

Status Indicators

Status	Lights	Sound
Boot	Blue Yellow Red	1 beep
Connecting	1 × Yellow every 3s	
Good Setup	3 × Blue	1 beep
Failed Setup	3 × Red	3 beeps
Active	1 × Blue every 15s	
Alarm	1 × Red every 3s	1 × short every 3s
Not Communicating	1 × Red every 15s	
Silence	1 × Yellow every 15s	
Reset	3 × Blue	1 beep
Test	1 × Yellow every 15s	1 beep
Battery Warning	1 × Yellow every 15s	
Battery Alarm	1 × Red every 15s	
External DC Alarm	1 × Red every 15s	
Valve(s) Failed	Rapid Red	
Valve Closed	2nd LED Red	<i>On Valve or Relay</i>
Relay Closed	3rd LED Red	<i>Success, device</i>
Valve Open	2nd LED Blue	<i>will beep after</i>
Relay Open	3rd LED Blue	<i>the blink sequence</i>

FCC

FCC Statements This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the Grantee or the Party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense

ISED Statements This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:


- 1. This device may not cause interference; and
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure Warning

This device meets the RF exposure requirements of 47 CFR §1.1091 and ISSED RSS-102 under the following conditions: Mobile or Fixed applications only.

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Documents / Resources



[THE DETECTION GROUP DT-553 Trident Valve Controller](#) [pdf] Instruction Manual
DT-553, DT553, 2AK4V-DT-553, 2AK4VDT553, DT-553 Trident Valve Controller, DT-553 Valve Controller, Trident Valve Controller, Valve Controller, Trident Valve, Valve

References

- [Wireless Water Leak Detection Systems | The Detection Group](#)