



The Terminator T2 valve actuator with Gemini controller is an economical emergency shutoff system designed for use on 150 lb (68 kg) chlorine and sulfur dioxide cylinders commonly used in water and wastewater treatment plants. The system operates on DC power, with AC power used only to maintain the battery at an optimal charge. In the event of an AC power loss, the system remains operational for more than 24 hours. If the AC outage continues for an extended period, the system automatically initiates an emergency close while sufficient battery power remains.

The Terminator T2 is compatible with standard valves meeting Chlorine Institute specifications. Combined with our patent pending C-Bracket, the Terminator T2 is simply placed on the cylinder valve after process connections are made, leak tested, and the valve is opened. As a safety device, the Terminator T2 is powered only in the closing direction.

Features

- Quiet, motor-driven design
- Two separate torque values for test and emergency closure, as recommended by the Chlorine Institute
- Optional torque confirmation with Relay Interface Module
- Patent pending C-Bracket allows for fast and secure installation
- Protects personnel and community by quickly and automatically stopping a gas leak
- Easy-to-use gravity mount design for 150 lb (68 kg) cylinders
- Battery powered system – continues to protect for more than 24 hours if AC power lost
- Compatible with all cylinder mounted vacuum regulators – no adapters needed

When the Gemini controller receives an emergency close signal from a gas detector, emergency shutoff switch, or other input, the Terminator T2 is activated and rapidly closes the cylinder valve. The Gemini can control one or two Terminator T2 actuators, making it well suited for both single and dual cylinder applications. The Gemini includes one standard SPDT output relay for remote indication of emergency close activation. An optional Relay Interface Module adds three additional DPDT output relays to indicate Proper Torque Confirmation, Low Battery Condition, and System Not Armed & Ready.

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Your Partner in Safety

T2

Emergency Valve Shutoff For Chlorine & SO₂ Cylinders

TERMINATOR T2™ Chlorine Valve Actuator

Bulletin: 704

Specifications

Housing:	XENOY™, NEMA 4X
Drive Bushing:	15-5 Stainless Steel
Cable:	7 ft (2.14m), 2 Conductor, 12 AWG
Operating Voltage:	12 VDC (provided by Gemini Controller)
Closing Torque:	Test Close: 20 - 30 ft-lb Emergency Close: 40 - 50 ft-lb
Valve Compatibility:	Chlorine Institute DWG's 110, 113 Chlorine Institute DWG's 189, 131, and
Yoke Compatibility:	compatible with the yokes of all major brands of direct mount vacuum regulators

For Gemini Controller information and specifications , see
Bulletin 904

NOTE: Terminator T2 actuators require the Gemini controller for a complete
emergency valve shutoff system. Actuators cannot operate stand alone.

Model Information

Image	Model	Description
	T2GS-1G	Gemini Controller with: (1) Terminator T2 Actuator (1) Storage Bracket (1) C-Bracket for mounting (1) Emergency Shutoff Switch
Image	Model	Description
	T2GS-2G	Gemini Controller with: (2) Terminator T2 Actuator (2) Storage Bracket (2) C-Bracket for mounting (1) Emergency Shutoff Switch



*Patent Pending C-Bracket

Options / Accessories

Part No.	Description
4500.05	Relay Interface Module (RIM) — (3) 5A, 250VAC DPDT Dry Contacts. Alarm Conditions: 1) Proper Closing Torque Achieved 2) Low Battery 3) System NOT Armed & Ready
5151.00	Open Style Yoke
6888.00	Yoke to Pigtail Adapter
2202.00	Auxiliary Valve Adapter
6430.00	Additional Emergency Close Switch
8510.00	Additional C-Bracket

REV 4. 9/26