

Thermic Actuator

24 Vac/Vdc, Two-Position control
Spring Return

NEW!



Indoor
Environmental
Quality



Thermic Electronic Valve Actuator.

Description

Thermic Actuators require a 24 Vac/Vdc control signal to provide two-position, NO or NC control. This actuator is designed to work with Zone Valves with a 1/10-inch (2.5 mm) stroke.

Features

- Direct-coupled — install without tools
- Movement and position indication
- Robust, no maintenance required
- Friction-free
- Two-wire connection
- Standard versions with 3.9 foot connecting cable
- PWM control
- AC/DC two-position control

Applications

Thermic Actuators are for use with 1/10-inch (2.5 mm) stroke Zone Valves.

A-119

Valves



Siemens
Product Guard
PLUS 3 Warranty

Thermic Actuator Specifications

Power Supply
Supply Voltage24 Vac, 50 to 60 Hz or 24 Vdc
Power Consumption Normal Operation 2.5W; Power on 6 VA
Switch-on Current (Transient) 250 mA

StrokeMax. 0.18 in. (4.5 mm)

Nominal Force22.5 lb. (100N)

Positioning Time
at 65°F (20°C)270 sec

Permissible Temperature of Medium in Valve34-230°F (1-110°C)

Operation
Temperature 41 to 122°F (5 to 50°C)
Humidity <85% RH

Storage
Temperature 41 to 122°F (5 to 50°C)
Humidity 5 to 100% RH

Transport
Temperature -4 to 140°F (-20 to 60°C)
Humidity <95% RH

Agency ApprovalsConforms to CE Requirements

Dimensions (H x W x D) 2.9 x 2.6 x 1.7 in. (74 x 65 x 44 mm)

Shipping Weight0.4 lb. (0.18 kg)

Thermic Actuators Product Ordering

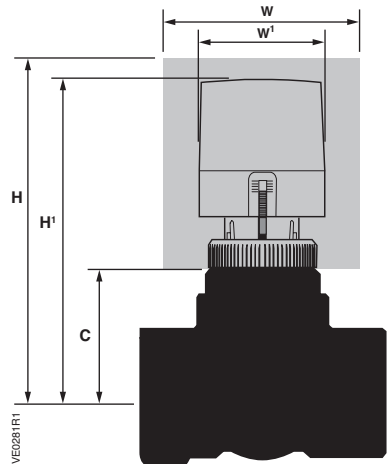
Description	Part No.	Actuator Prefix Code
24 Vac/Vdc, Normally Closed	STA73U	346
24 Vac/Vdc, Normally Open	STP73U	347

A-120

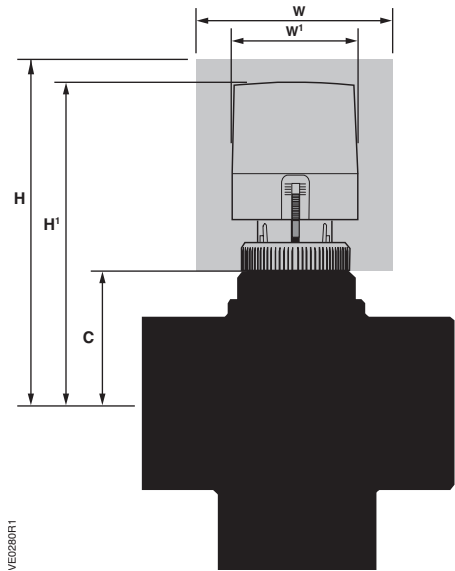
Valves

Dimensions

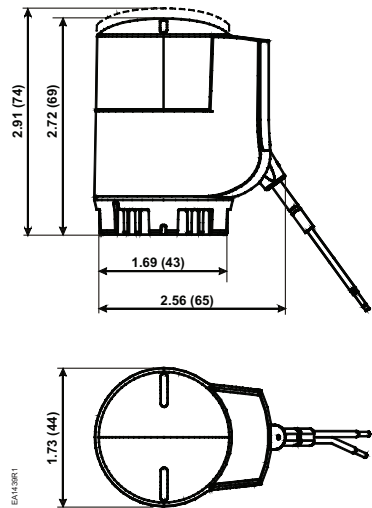
Thermic Actuator:
2-Way Valve Assembly Service Envelope



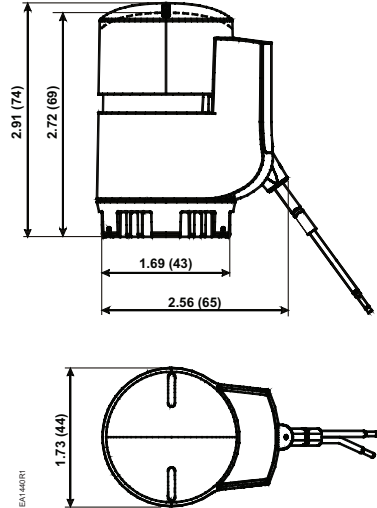
Thermic Actuator:
3-Way Valve Assembly Service Envelope



STA73U



STP73U



Dimensions shown in inches (mm).

Valve Size in. (mm)	Valve Center Line to Top of Actuator H'		Service Height H		Valve Center Line to Actuator Coupling C		Width or Diameter of Actuator W'		Service Width W	
	2-Way	3-Way	2-Way	3-Way	2-Way	3-Way	2-Way	3-Way	2-Way	3-Way
0.5 (15)	3.90 (99)	3.90 (99)	8.20 (200)	8.20 (200)	1.00 (25)	1.00 (25)	1.75 (44)	1.75 (44)	9.86 (251)	9.86 (251)
0.5 (15)	3.90 (99)	3.90 (99)	8.20 (200)	8.20 (200)	1.00 (25)	1.00 (25)	1.75 (44)	1.75 (44)	9.86 (251)	9.86 (251)
0.75 (20)	3.90 (99)	3.90 (99)	8.20 (200)	8.20 (200)	1.00 (25)	1.00 (25)	1.75 (44)	1.75 (44)	9.86 (251)	9.86 (251)
1.00 (25)	3.90 (99)	3.90 (99)	8.20 (200)	8.20 (200)	1.00 (25)	1.00 (25)	1.75 (44)	1.75 (44)	9.86 (251)	9.86 (251)

Table expressed in inches (mm)
Service height and width are the recommended dimensions to allow access to the product.