

## ST SERIES ELECTRIC THERMOSTAT

The Robertshaw® ST Series Electric Water Heating Thermostat is designed to meet the stringent requirements of the OEM in the residential and commercial electric water heating market.

The control incorporates two thermostat functions - a cycling thermostat fitted with a vibration resistant range dial, and a high limit manual reset thermostat.

### Features and Benefits

- Quick-fit lugs allow easy installation on the tank via mounting clips
- Protective cover for terminals available
- Bi-metal actuators in direct contact with the tank for faster reaction to temperature changes
- Fast and easy wiring
- High limit function switches both active and neutral lines
- Custom temperature ranges available
- ST12 models features M1 reset style
- ST14 model features M2 reset style

### Specifications

- Maximum ambient temperature: 185°F (85°C)
- Differential of 14°F ± 7°F (8°C ± 4°C)
- Cycling temperature ranges available:
  - 110°F - 150°F (43°C - 65°C)
  - 110°F - 170°F (43°C - 76°C)
  - 90°F - 130°F (32°C - 54°C)
  - 90°F - 144°F (32°C - 62°C)
- Rated for 30 Amps at 240V AC
- SPST or SPDT cycling contacts
- Agency Certifications:
  - UL approved E110428



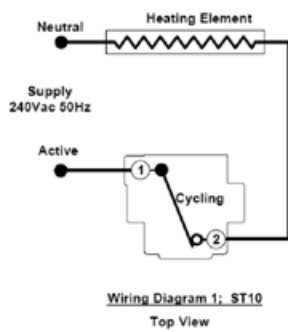
# ST SERIES ELECTRIC THERMOSTAT

## ELECTRICAL RATING

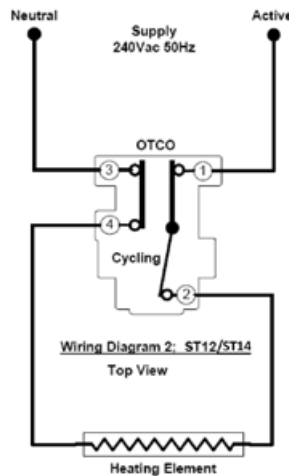
Models	Internal Schematic	Cycling	High Limit Manual Reset (ECO)
ST12/ST14		Opens on Temperature Rise Single Pole – Single Throw (SPST)	Opens on Temperature Rise Double Pole – Single Throw (DPST)
ST12/ST14		Opens on Temperature Rise Single Pole – Double Throw (SPDT)	Opens on Temperature Rise Double Pole – Single Throw (DPST)
ST10		Opens on Temperature Rise Single Pole – Single Throw (SPST)	No High Limit Manual Reset

## WIRING DIAGRAM

ST10



ST12/ST14



Non-simultaneous 2 Element, Off Peak  
ST12/ST24

