

# DISC THERMOSTATS

## Snap Action Disc Thermostats



— Automatic Reset

STO-160

### Operating Specifications

| Sec. | STANCOR<br>PART<br>NUMBER | Operating Range <sup>1</sup> |            | Function <sup>2</sup> | Differential <sup>3</sup> |      |
|------|---------------------------|------------------------------|------------|-----------------------|---------------------------|------|
|      |                           | °F                           | °C         |                       |                           |      |
| A    | STO-60                    | 55 to 65                     | 13 to 18   | Opens                 | 20°F                      | 12°C |
|      | STO-85                    | 80 to 90                     | 27 to 32   | Opens                 | 15°F                      | 8°C  |
|      | STC-100                   | 93 to 107                    | 34 to 42   | Closes                | 30°F                      | 17°C |
|      | STO-110                   | 105 to 115                   | 41 to 46   | Opens                 | 30°F                      | 17°C |
| B    | STO-120                   | 115 to 125                   | 46 to 52   | Opens                 | 30°F                      | 17°C |
|      | STC-120                   | 113 to 127                   | 45 to 53   | Closes                | 30°F                      | 17°C |
|      | STO-140                   | 135 to 145                   | 57 to 63   | Opens                 | 30°F                      | 17°C |
|      | STC-140                   | 133 to 147                   | 56 to 64   | Closes                | 30°F                      | 17°C |
| C    | STO-150                   | 145 to 155                   | 63 to 68   | Opens                 | 30°F                      | 17°C |
|      | STO-160                   | 155 to 165                   | 68 to 74   | Opens                 | 30°F                      | 17°C |
|      | STO-170                   | 165 to 175                   | 74 to 79   | Opens                 | 30°F                      | 17°C |
|      | STC-170                   | 162 to 178                   | 72 to 81   | Closes                | 30°F                      | 17°C |
|      | STO-175                   | 170 to 180                   | 77 to 82   | Opens                 | 15°F                      | 8°C  |
| D    | STO-180                   | 175 to 185                   | 79 to 85   | Opens                 | 30°F                      | 17°C |
|      | STC-180                   | 172 to 188                   | 78 to 87   | Closes                | 30°F                      | 17°C |
|      | STO-190                   | 185 to 195                   | 85 to 91   | Opens                 | 30°F                      | 17°C |
|      | STO-210                   | 204 to 216                   | 96 to 102  | Opens                 | 30°F                      | 17°C |
|      | STO-220                   | 214 to 226                   | 101 to 108 | Opens                 | 30°F                      | 17°C |
| E    | STC-225                   | 217 to 232                   | 103 to 111 | Closes                | 30°F                      | 17°C |
|      | STO-230                   | 224 to 236                   | 107 to 113 | Opens                 | 30°F                      | 17°C |
|      | STC-240                   | 229 to 251                   | 109 to 122 | Closes                | 100°F                     | 56°C |
|      | STO-250                   | 244 to 256                   | 118 to 124 | Opens                 | 30°F                      | 17°C |
|      | STO-325                   | 315 to 335                   | 157 to 169 | Opens                 | 50°F                      | 28°C |

1 - Operating Range: Range of temperature at which disc thermostat performs switching function.

2 - Function:

- Opens - Normally closed circuit - opens within specified temperature range.
- Closes - Normally open circuit - closes within specified temperature range.

3 - Differential: Temperature drop below operating range minimum necessary for disc to reset.

### Common Ratings

| Load       | 120 VAC            | 240 VAC           | DIMENSIONS<br>INCHES |           |      | Weight<br>(oz.) | Agency<br>Certif. |
|------------|--------------------|-------------------|----------------------|-----------|------|-----------------|-------------------|
|            |                    |                   | L                    | Case<br>W | H    |                 |                   |
| Resistive  | 15 Amps            | 10 Amps           | 1.23                 | 1.32      | 0.37 | 0.2             | UL                |
| Inductive  | 3.0 FLA - 12.0 LRA | 1.5 FLA - 6.0 LRA |                      |           |      |                 | CSA               |
| Pilot Duty | 125 VA             | 125 VA            |                      |           |      |                 | VDE               |

\* Agency Certification Note: UL Recognized (File E19279 and MH-5304)  
CSA Certified (File LR19988)  
VDE Licensed

