



A19 Series Hot Water Temperature Control (Well Immersion) Catalog Page

LIT-1927030

2020-04-22



Description

The A19 Series Temperature Controls are a universal replacement control for open high or single-pole, double-throw (SPDT) applications. The control is furnished with a well assembly for 1/2 in. tapping.

Refer to the *A19 Series Hot Water Heating Controls Well Immersion Product Bulletin (LIT-125025)* for important product application information.

Figure 1: A19ABC-11 Temperature Control



Figure 2: A19ABC-12 Temperature Control



Features

- liquid-filled element provides rapid response to temperature change
- adjustable differential
- universal replacement

Applications

This operating control is ideal for hot water boilers.

Selection charts

Table 1: A19 Series Hot Water Temperature Control (Well Immersion) selection chart

| Product code number | Application | Switch action | Range °F (°C) | Differential F° (C°) | Well connector size-NPT | Range adjuster | Max. bulb temp. °F (°C) |
|---------------------|-----------------------------------|--|---------------------------|-------------------------------|--------------------------|----------------|-------------------------|
| A19ABC-11C | Open high (R-B) Open low (R-Y) | Single-Pole, Double-Throw (SPDT) | 100 to 240 (38 to 116) | 6 to 24 (3 to 13) | 1/2 in. | Convertible | 250 (121) |
| A19ABC-12C | | | | | 1/2 in.; 8 ft. capillary | | 290 (143) |
| A19ADB-2C | High temperature lockout | Single-Pole, Single-Throw (SPST) Open high with lockout | 100 to 240 (38 to 116) | Manual reset (locks out high) | 1/2 in. | Knob | 250 (121) |

Table 2: Replacement parts

| Product code number | Description |
|---------------------|----------------------------|
| CVR28A-617R | Concealed adjustment cover |
| CVR28A-618R | Visible scale cover |
| KNB20A-602R | Knob kit |

A19 Series Hot Water Temperature Control technical specifications

Table 3: Electrical ratings

| Motor ratings VAC | 120 | 240 |
|-------------------|-----------------------|------|
| AC Full Load A | 10.0 | 6.0 |
| AC Locked Rotor A | 60.0 | 36.0 |
| Pilot Duty | 125 VA, 24 to 600 VAC | |

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Single point of contact

| APAC | Europe | NA/SA |
|--|--|--|
| JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIJANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA | JOHNSON CONTROLS WESTENDHOF 3 45143 ESSEN GERMANY | JOHNSON CONTROLS 507 E MICHIGAN ST MILWAUKEE WI 53202 USA |

Contact information

Contact your local branch office: www.johnsoncontrols.com/locations

Contact Johnson Controls: www.johnsoncontrols.com/contact-us