

Temperature Control Systems



Spray Booth

SERIES14 DUAL TEMP DIALS*

Temperature control system.



TD114 55°-90°F Dial



TD114 120°-170°F Dial

System components:

- A1014 or A1014L Amplifier
- TD114 55°-90°F Dial*
- TD114B 120°-170°F Dial*
- TS214B* Dual Temp. Sensor

*Any two standard temp. ranges are available.

System utilizes two temperature ranges (Spray & Dry) using any two standard TD114 Series analog temperature dials. The TS214 temperature sensor consists of two temperature-sensing elements - one for the Spray range and one for the Dry range. Switching between the two temperature range dials and sensors is accomplished by a DPDT Switch (not supplied).

Paint Spray Booth Applications

SERIES14 DUAL TEMP DIALS with SWITCH*

Temperature control system with temperature range selection switch.



TD214B*, 55°-90°F, 120°-170°F Dual Temperature Dial with Switch in 4 x 6 enclosure.

System components:

- A1014 or A1014L Amplifier
- TD214B* 55°-90°F, 120°-170°F Dual Temp. Dial with Switch in 4 x 6 enclosure
- TS214B* Dual Temp. Sensor

*Any two standard temp. ranges are available.

System utilizes two temperature ranges (Spray & Dry) using any two TD114 Series analog temperature dials. The two temperature range dials are mounted in a 4 x 6 electrical box enclosure (or on the 4 x 6 cover plate only, designated by "X" suffix) with a DPDT switch mounted between them. The TS214 temperature sensor consists of two temperature-sensing elements - one for the Spray range and one for the Dry range. Switching between the two temperature range dials and sensors is accomplished by the DPDT supplied switch.

SERIES14 DUAL TEMP DIALS INTEGRAL to AMPLIFIER

Temperature control system designed to make the Spray & Dry temp. setpoints tamper resistant.



AD1214B Amplifier

System components:

- AD1214B Amplifier*
 - TS214B Temp. Sensor*
- *Any two standard temperature ranges are available.

The system utilizes two temperature ranges (Spray & Dry), which are located on the face of the amplifier. The amplifier functions as an A1014, but the electronics, Spray and Dry temperature ranges are all located in a single housing. The compact housing can be easily mounted in a limited access control box to eliminate temperature setpoint tampering. The TS214 temperature sensor consists of two temperature-sensing elements - one for the Spray range and one for the Dry range. Switching between the two temperature range dials and sensors is accomplished by a DPDT switch (not supplied).

SERIES94 DUAL DIAL with LED TEMP DISPLAY

Temperature control system with LED temperature display, Spray and Dry labels.



TD294E-609-0818 Dial

System components:

- A1494 Amplifier
- TD294E-609-0818 Dial
- TS194Q Temp. Sensor

The system utilizes two temperature ranges 60°-90°F and 80°-180°F. The 60°-90°F range is labeled Spray, and the 80°-180°F range is labeled Dry. The LED, located between Spray and Dry ranges, displays the sensed temperature. The temperature is sensed for both ranges with a single TS194Q sensor. Switching between the two temperature ranges is accomplished by a SPST switch (not supplied).

“M” SERIES MICROPROCESSOR

Temperature control system utilizing a programmable microprocessor.



TDM01-A Digital Selector

System components:

- AM01 Amplifier
- DM01-A Digital Selector
- TS194Q Temp. Sensor

A maximum of (4) setpoints can be programmed within a range of 50°F-300°F. Temperatures are set using up/down scroll buttons. The display is 2 line 16 character blue vacuum fluorescent. The display shows set and sensed temperatures simultaneously. Temperature sensing for all ranges is done with a single TS194Q sensor. Switching between the temperature ranges is accomplished by customer supplied switch. (Switch type dependent on the number of setpoints utilized).



Make-up air units



Spray booth

NOTE:

All systems require appropriate M or MR Valve and mixing tube.