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Announcing:	UPDATED: Enhancements and new features on TEC3000 Color Series Thermostats
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Summary of changes:

- Added section *Three new states in dehumidification enum set UNIT-S*
- Updated the software update version to 4.0.0.2313

Enhancements and new features on TEC3000 Color Series Thermostats

Johnson Controls is pleased to announce enhancements and new features for the TEC3000 Color Series Thermostats. The enhancements and new features are automatically implemented when you install software update 4.0.0.2313 on the TEC3000 thermostat.

The software update also includes bug fixes, which are described in [Flash Sheet 2020F16](#). The instructions about how to install the software update are also included in the Flash Sheet.

Improvements in fan coil dehumidification sequence

The dehumidification sequence for fan coil units is replaced with a more energy efficient sequence that contains the following features:

- **Improved response** – Rather than waiting for the proportional-integral-derivative (PID) to ramp open the chilled water valve, the valve opens to the Cooling Valve Starting Position and uses the hot water valve to maintain room temperature.
- **Chilled water monitoring** – The dehumidification sequence does not run if the chilled water setpoint or the chilled water value is not cold enough to supply adequate dehumidification based on the current room conditions. The Supply Air Temperature Analog Input (SA-T AI) reads the chilled water setpoint or the chilled water temperature value.
- **Setpoint menu restructuring** – The setpoint menu is split into two submenus. One submenu is temperature related and the other submenu is dehumidification related.
- **Added support for 4-pipe systems that use a single coil.**

This enhancement applies to the following fan coil models:

- TEC301x-1x-000
- TEC331x-1x-000
- TEC361x-1x-000
- TEC302x-1x-000
- TEC332x-1x-000
- TEC362x-1x-000

Rooftop and heat pump dehumidification feature

The software update includes a dehumidification sequence for rooftop and heat pump units. The sequence supports the following outputs to control dehumidification:

- Hot Gas Reheat Valves (binary output)
- Single Output Commercial Dehumidifiers (binary output)

This new feature applies to the following rooftop and heat pump models:

- TEC303x-1x-000
- TEC333x-1x-000
- TEC363x-1x-000

Three new states in dehumidification enum set UNIT-S

The enum set for dehumidification now contains 21 states instead of 18 previously. The new states are:

- Dehumidification – Reheat
- Dehumidification – Fan Only
- Dehum blocked due to Dew Point

Note: If a user uses SCT 13.2 or older to create a controller template to install a new TEC3000 thermostat, the object UNIT-S in the SCT controller template must be adjusted manually to account for these new states. Further details in Flash Sheet 2020F16.

Minimum hourly fan circulation feature

Set the equipment fan to run for a minimum amount of time each hour, regardless of a need to heat or cool the zone, through the new Scheduled Circulation feature. Scheduled Circulation can run during occupied schedules only or during all schedule types. The new Scheduled Circulation feature is available on all TEC3000 Color models.

Sincerely,

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