

Changelog

Applicable to: Touchscreen Room Controllers

[3.0.0] - 2026-Q3

Fixed:

Unexpected Reboots

- **Issue:** A small percentage of TRC devices experienced unexpected reboots.
- **Resolution:** The fix is delivered in the **bootloader**. Updating the application firmware alone does not resolve the issue.
- **Required action:** If a device experiences reboots, update the device over **USB** with the **.fm8** package using the **Room Controller Uploader**, with **Bootloader** selected. Updating over BACnet does **not** update the bootloader, so devices updated that way remain affected.

Added

- NFC commissioning via [EcoStruxure Building Commission App](#)
 - Support setup of Network, Users and Device Info in factory fresh devices
 - Requires EcoStruxure Building Commission App version 2026.1 or above
- Support Korean language
- Support Default standby screen
- Temporary Occupancy button as selectable option for buttons 1-4
- Support Event Based Schedules for Title 24 compliance

Changed

- Upgrade CO2 Info item
 - Support colors on PMM values to indicate poor air quality
 - Add text option (Good/Fair/Poor)
- Change RTU fan control logic to operate on Relinquish Default of heat/cool outputs, not Present Value
- General HVAC improvements for Title 24 compliance
 - Support CO2 Alarm on TRC3500
 - Support Condensate Leak alarm on UI3
 - Upgrade Frost Protection alarm and enable on TRC3500
 - Add Overheat Protection alarm
 - Add Modulating Cool output to TRC6500
 - Rename Fan Lock Alarm to Fan Lock Off Alarm
 - Add Fan Lock On Alarm
 - Add fan page to TRC6500 menu
 - Add Variable Frequency Drive (VFD) output to TRC6500
 - Remove Smart fan mode for TRC6500
 - Add Standby Fan configuration item to define fan behavior when Occupancy = Standby
- Improve PIR stability
- Upgrade AI Eco model to version 2.2.0
- Show enlarged description of change when cycling through system/fan modes
- Fix lua increment usage on Lua Variables page
 - Support floating point increments (e.g. 0.1)
- Lights/Blinds
 - Support Long name within modal window
 - Improve swipe area
- General system updates

- Assorted minor bug fixes and improvements

[2.2.0] - 2025-Q3

Added

- Full screen alerts
 - Add screens for critical, warning, information and all-clear alerts
 - With customizable heading and body text
 - With halo indications
- Courtesy Buttons
 - Support optional home screen buttons for Do Not Disturb and Make Up Room
 - Support fourth button on home screen
- Configurable Temperature on Main Display
 - Support show/hide of temperature value on home screen (MV.3)

Changed

- Improve screen performance
- Correct integral time of supply PI loop
- Improve ZigBee device online/offline handling after TRC reboot
- Improve WiFi reconnection in environments with weak signals/regular reconnects
- Improve wired input stability in presence of 60Hz noise (thermistors, 0-10VDC analog)

[2.1.0] - 2025-Q1

Added

- Lights & Blinds:

- Add user interface for control of up to 8 lights and 8 blinds
- AI Eco Mode: Setpoint control, optimal start & optimal stop
 - Support third button on home screen, with new AI Eco Mode option
- Lua:
 - 6 new variables added, extending total from 12 to 18
 - Setting first character of variable name to '!' will hide the variable on the Lua Variables menu
 - 18 new scratchpad variables added, available to Lua/BACnet, but not on the Lua Variables menu
 - Support OS functions: time, date and difftime

Changed

- Minor bug fixes and security enhancements
- Setpoints menu: Make occupied setpoints editable
- WiFi: Minor driver improvements
- BACnet MS/TP: Improve occasional failure of first packet when writing files to device

[2.0.1] - 2024-Q4

Changed

- Fix duplicate BACnet object name "WiFi Network Signal Strength".
 - AI342 rename "WiFi Network Signal Strength Percentage"
- Fix issue where halo could not be overridden by BACnet/Lua
- Improve socket cleanup when switching from BACnet/Ip to MS/TP

[2.0.0] - 2024-Q3

Added

- Support for new W/WA SKUs
 - WiFi with BACnet/IP
 - ZigBee Sensors
 - Halo

Changed

- Cyber Security: Lua upgraded from version 5.1.1 to 5.4.6
 - WARNING: Require function format changed from "require 'bacnet'" to "bacnet = require 'bacnet'"
 - WARNING: some rarely used maths functions in Lua 5.4 have slight modifications. See [Lua 5.4 Maths Functions](#)
- User interface improvements to: Keyboard, pin pad, text fields
- BACnet stack upgraded
- Temperature compensation algorithm upgraded
- Support "reset all" in Factory Reset
- Fix time zone configuration for Cairo and Santiago

SKUs: Schneider Electric

SKU	HVAC	Wireless
SXWTRC3500BccX	Fan Coil Units	None
SXWTRC3500BccW	Fan Coil Units	WiFi + ZigBee
SXWTRC3500BccWA	Fan Coil Units	WiFi(NAM) + ZigBee
SXWTRC6500BccX	Rooftop Units & Heat Pumps	None
SXWTRC6500BccW	Rooftop Units & Heat Pumps	WiFi + ZigBee
SXWTRC6500BccWA	Rooftop Units & Heat Pumps	WiFi(NAM) + ZigBee

SKUs:Viconics

SKU	HVAC	Wireless
TRC3500BccX-VC	Fan Coil Units	None
TRC3500BccW-VC	Fan Coil Units	WiFi + ZigBee
TRC3500BccWA-VC	Fan Coil Units	WiFi(NAM) + ZigBee
TRC6500BccX-VC	Rooftop Units & Heat Pumps	None
TRC6500BccW-VC	Rooftop Units & Heat Pumps	WiFi + ZigBee
TRC6500BccWA-VC	Rooftop Units & Heat Pumps	WiFi(NAM) + ZigBee

[1.0.0] - 2023-10-16

First release of Touchscreen Room Controllers.

SKUs: Schneider Electric

SKU	HVAC	Wireless
SXWTRC3500BccX	Fan Coil Units	None
SXWTRC6500BccX	Rooftop Units & Heat Pumps	None