

GENERAL

The Rickard MLM RH Comfort & Ventilation Controller has been designed to give the user primary temperature control and secondary RH level control to maintain comfort levels and keep CO2 levels in check respectively. The Controller senses temperature and controls the temperature of the zone by modulating the damper of each VAV diffuser. When the RH value rises above a threshold value, the diffusers open fully until the RH value is brought down to an acceptable level. Thereafter the diffuser returns to primary temperature control mode.

If the diffuser is in RH flush mode, the user can override it to revert to temperature control mode if required. This can be activated by pressing and holding the enter button until the controller buzzes.

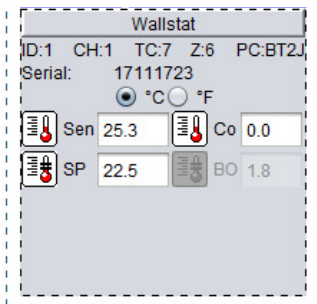
The Controller converts any slave diffuser into a master so that it can control a zone of up to 15 diffusers. The new design boasts a modern, slim body, a larger digital screen for easier reading and discreet buttons on each side for setpoint adjustment and advanced user control.

To use the temperature/RH functionality of the RH Comfort & Ventilation Controller it is necessary to activate it through the latest MLM application. See setup at the end of this section. For detailed manual activation instructions please see the MLM CO2 Comfort & Ventilation Controller Setup Instructions Section.

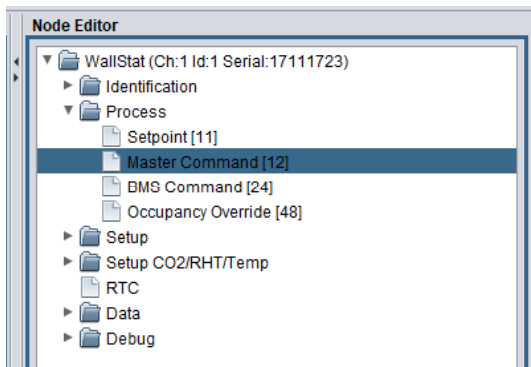
SETUP INSTRUCTIONS

SETUP

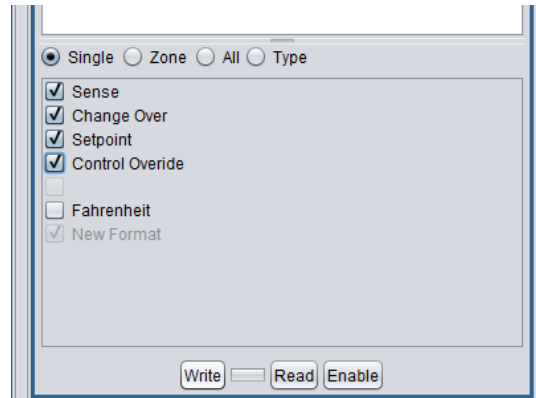
1. To enable, highlight the wallstat by clicking on it so that a dashed line shows the wallstat controller is selected.



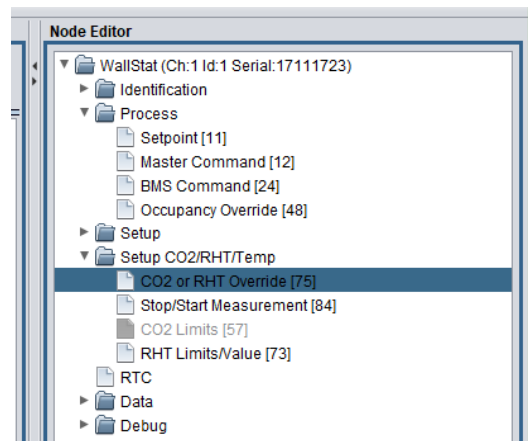
2. Select Master Command [12] in the Node Editor



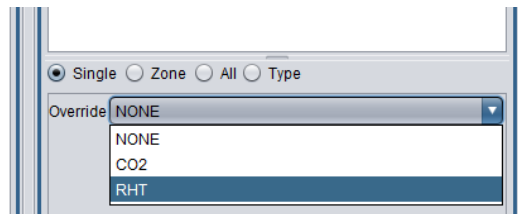
3. Select the Control Override box and click Write



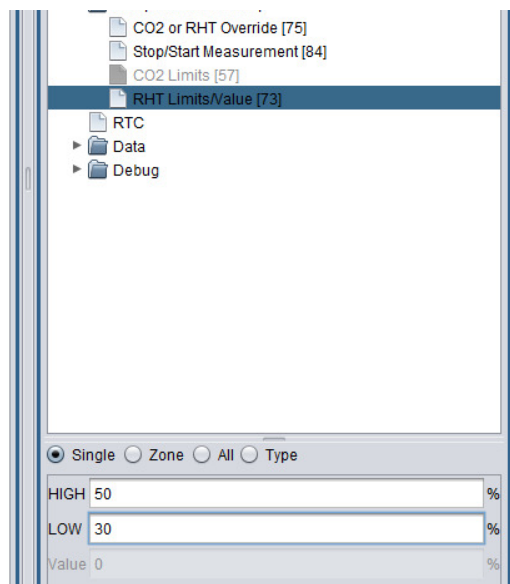
4. To enable RH Override limits, select CO2 or RHT Override [75] under menu: Setup CO2/RHT/Temp.



5. Select RHT from the drop down menu.



6. Select RHT Limits/Value [73] and enter the HIGH and LOW Relative Humidity Trigger points that will switch mode between RH and Temperature Control. Click Write. You're done.



MANUAL OVERRIDE

When RH operation is activated, the user has the option to manually exit this action. Press and hold the enter button on the Wall Thermostat for a few seconds. The buzzer will sound and the diffuser will revert to normal operation. Note that now the RH level must reduce to below the RH Normal value before it is enabled to enter the RH back-off operation again.

DEACTIVATING RH CONTROL

To deactivate RH control, the Master Command/Control Override as well as the Backoff BMS/Open boxes should be unticked. Should either of the RH High and RH Low fields be zero, the RH back-off operation will also be disabled.

Note: The Master Command/Control Override function enables any external (BMS) or internal (occupancy, RTC) control override function and should be disabled only when these functions are not in play. See the chapter Control Override Handling Procedure in MLM Integration with BMS Document.