



APPLICATION NOTE

APP #142

Revision History

Date	Author	Description
05-27-2020	DEW	Setup new app

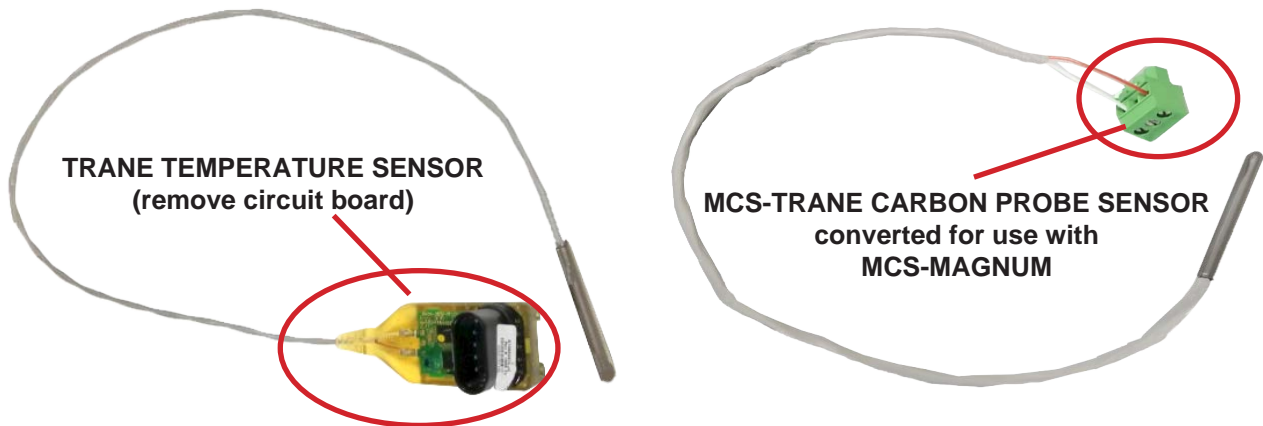
Converting Trane Carbon Probe Sensor

Any questions regarding this release, contact: support@mcscontrols.com

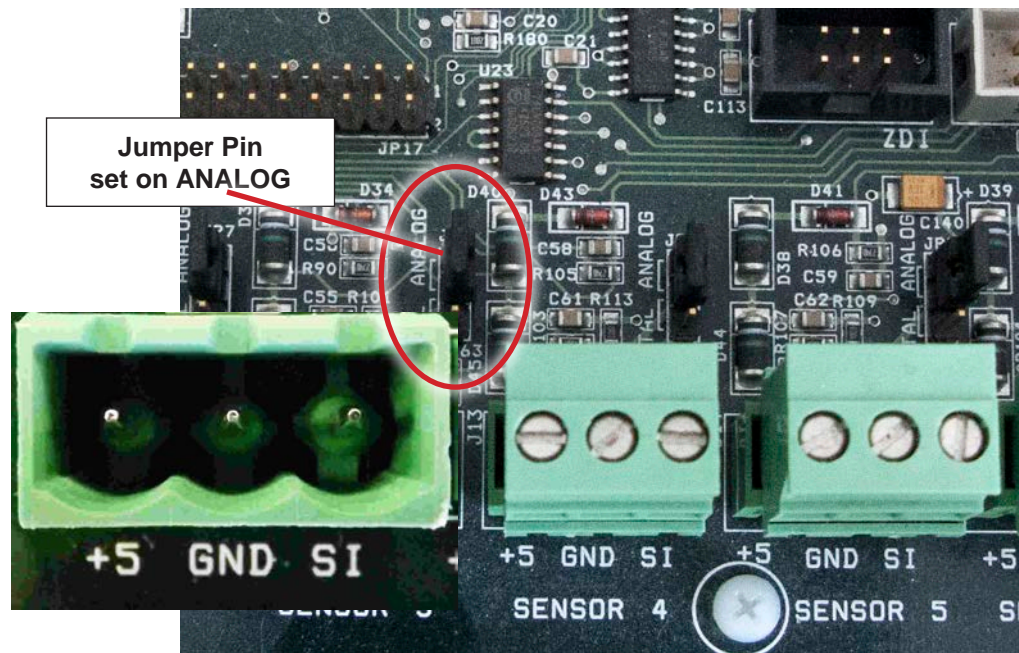
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The original ServiceFirst sensor supplied with the Trane Earthwise chiller is converted by removing the circuit board from the end of the cable as shown below and is wired to the MAGNUM three pin connector..



The MCS Temperature sensor is wired to the Magnum +5 and S1 terminals with the **jumper on the Analog position**.



The MCS Carbon Temperature Probe Sensor is installed through the top of the carbon tank shell so that the controls can monitor the carbon bed temperature. The temperature sensor controls the regeneration cycle and protect against overheating. If the limit temperature is reached, the system shuts down and a Purge Carbon Regen Temperature Limit Exceeded diagnostic is generated.