



## Technical Bulletin 95 Rev A - Boiler Blocking Code bl05

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A new blocking code is now present in all boilers and MCBA's manufactured after September 1, 2012 containing serial number beginning with "DJ" or later. The new code is a bl05, blocking 05: Outdoor sensor contact open (outdoor sensor not connected). This code will not prevent the boiler from operating; it will however be displayed until an outdoor sensor has been reconnected to the boiler or a resistor has been placed in the outdoor sensor terminals.

An outdoor sensor is not required for the boiler to operate. If no outdoor sensor is present the boiler will operate as it has in the past as a limit boiler, with the only difference being a bl05 code will always be displayed. A jumper wire should not be installed because this will cause the boiler to see an outdoor temperature of 230°F and force the boiler into summer setback. If nothing is connected to the outdoor sensor terminals then the temperature will be seen as -22°F. If no outdoor sensor is connected to the boiler the boiler will still go through the de-aeration cycle as long as either the heat or hot water program has been activated.

A 100k ohm resistor can be used during the servicing of the bl05 code. When the bl05 code is present the water temperature cannot be viewed by pressing the step button on the boiler, nor can the technical readout status be viewed. When performing maintenance, trouble shooting, or starting up and commissioning to the boiler, to view the technical readout and water temperature, a 100k ohm resistor can be placed in the outdoor sensor terminals. When a 100k ohm resistor is installed on the outdoor sensor terminals Info 7, which is the outdoor temperature, will read -6°F. Once the maintenance, troubleshooting, or starting up and commissioning has been completed, remove the 100k ohm resistor. ***DO NOT leave a resistor installed in place of the outdoor sensor while the boiler is in normal service.***