



## INFORMATIONAL BULLETIN

### *PARTS & SERVICE DEPARTMENT*

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**TO:** Manufacturers' Representatives, District Sales Managers, Regional Managers, Technical & Customer Service Personnel, Service Agents, Sales & Marketing Personnel

**SUBJECT:** Alarm Contact on Knight Boilers (KB80-500)

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It has come to our attention that Knight boiler installations that are using a Building Management System (BMS) to monitor the alarm contacts on the low voltage terminal board may experience an intermittent false alarm signal.

The cause of this false alarm signal is a self diagnostic check that the Smart System control runs after each call for heat cycle. This check insures that all of the Smart Control features are working properly. During this check, the control will close the alarm contacts for an instant. The BMS may detect this brief closure and announce a boiler alarm when in fact there has been no failure.

For installations that have experienced this issue, a time delay between the alarm contact terminals on the boiler and the BMS must be used. This time delay may be programmed into the BMS to ignore the alarm contact closure for a minimum of 10 seconds.

If the delay can not be programmed into the BMS, a time delay relay may be installed. For this, the coil of the time delay relay would be energized by the alarm contact on the boiler. If the alarm is sustained, the time delay contacts would close after a minimum of 10 seconds and alert the BMS of an actual boiler alarm.

If you have any questions or concerns concerning this, contact the Lochinvar Technical Service Department at 1-800-722-2101.