

Application Note 1034

Multi-zone Branch Box Applications with Blue Diamond Pump

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APPLICATION MODELS

This Application Note is applicable to Indoor units when connected to MXZ-8C48NA(U1), MXZ-5C42NAHZ(U1), MXZ-8C60NA(U1), MXZ-8C48NAHZ(U1), and MXZ-4C36NAHZ(U1) model systems.

SYMPTOM

Communication errors and or 71** error codes reported at equipment or controller.

CAUSE

Blue Diamond pumps use a heated thermistor to monitor for high water level. In order for the NC (normally closed) safety contacts to close the thermistor needs to heat up. It can take up to 2 minutes to heat to the proper temperature and then close the contacts.

SOLUTION

Wire the NC safety circuit from the pump in series with one of the indoor thermistors. Best practice is to solder the connection, or use butt splice connector.

****FOR APPLICATIONS USING THE APPLICABLE MODELS, DO NOT BREAK THE S1, S2 or S3 WIRE TO THE INDOOR UNIT OR ERROR WILL OCCUR****

