

# Application Note 1034

## MXZ Branch Box Applications with Blue Diamond Pump

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## Table of Contents

APPLICATION MODELS.....	3
SYMPTOM .....	3
CAUSE .....	3
SOLUTION .....	3

## 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\*\***

