

## SECTION 7

### Troubleshooting

This section provides information for troubleshooting the K3NV.

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## 7-1 Items to Be Checked First

First, check the following three items if the K3NV has any problems during operation.

1, 2, 3...

### 1. Power Supply

Be sure that power supplied to the K3NV is within the rated voltage range.

### 2. Wiring

Be sure that the K3NV is wired correctly.

### 3. Communications Conditions

If the model is a K3NV with the Communications Output Board, be sure that the baud rate and unit numbers are correct.

After checking and remedying the above items, if the K3NV still has problems during operation, check the error message.

## 7-2 Display

### 7-2-1 Flashing

The display will flash in the following cases.

- The input or process value is not within the display range.

If the display flashes the output status will be as follows:

Models with BCD Output Board: The OVER signal will be ON.

Models with Communications Output Board: The OVER or UNDER signal will be ON and other output signals will be retained.

- The display will flash for three seconds if an attempt is made to change a setting on the K3NV. Set to remote programming to accept key input.

### 7-2-2 Error Message

The error condition can be checked with the error message.

The K3NV will have the following output statuses when an error message is displayed.

- HH, H, PASS, L, and LL will all be OFF.
- Linear output will be limited to the minimum value.
- The type of BCD output will be All Outputs OFF (H).
- The Unit error response will be returned from the model with a communications function.

m1.err

m2.err

m3.err

### Memory Error

#### Meaning of Error

The internal memory has an error.

#### Remedy

Turn the K3NV off and on. If the memory error still exists, the K3NV will need to be repaired. If the K3NV returns to normal operation, the K3NV may have been affected by noise. Check if there is any source of noise generation near the K3NV.

ad.err

### AD Converter Error

#### Meaning of Error

The internal circuit has an error.

#### Remedy

Turn the K3NV off and on. If the AD converter error still exists, the K3NV will need to be repaired. If the K3NV returns to normal operation, the K3NV may have been affected by noise. Check if there is any source of noise generation near the K3NV.

err-o

chg-o

**Output Error****Meaning of Error**

The internal circuit has an error.

**Remedy**

Turn the K3NV off and on. If the output error still exists, the K3NV will need to be repaired.

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