CoilKeeper Circuit Trouble

Technical Bulletin

This bulletin provides essential guidance on the appropriate usage of the CoilKeeper with various releasing circuit technologies. The information is intended to prevent circuit trouble conditions when integrating CoilKeeper with specific circuit types.

Intended Use

The CoilKeeper should be used with the following types of releasing circuits:

- **Conventional Releasing Circuits**
- **Circuits Utilizing Constant Voltage Supervision**
- **Circuits Utilizing Reverse Polarity Activation**

Not Intended For Use With

The CoilKeeper should not be used with the following releasing circuit technologies:

- **Circuits Utilizing Pulse Type Supervision**
- **Circuits Utilizing Voltage Increasing Activation**

Issue Description

When the CoilKeeper is connected to circuits employing the technologies listed under “Not Intended For Use With,” it will result in a circuit trouble condition at the control panel. The trouble condition cannot be remedied and will require alternative solutions or configurations; such as using Potter’s RBVS, which is listed for the supervision of releasing coils.

Affected Potter Products

The following Potter products will experience circuit trouble conditions when used with CoilKeeper:

- **PAD-100 NAC**
- **IPA Series and ARC-100 I/O Circuits**

Conclusion

Ensure that the CoilKeeper is only used with the specified releasing circuit technologies to prevent an unresolvable circuit trouble condition at the control panel. For circuits that require alternative solutions, consider using Potter’s RBVS, which is listed for the supervision of releasing coils. For any assistance in determining appropriate usage or resolving issues, please contact Potter Technical Support.

Definitions

To clarify the technical aspects, here are the definitions of the key circuit technologies involved:

- **Pulse Type Supervision:**

  A supervision technology that pulses or polls the circuit periodically, typically multiple times per second, to check the circuit’s integrity.

- **Reverse Polarity Activation:**

  A circuit technology where the polarity of the circuit is reversed between the supervision state and the activation state.

- **Voltage Increasing Activation:**

  A circuit technology where the voltage of the circuit is increased between the supervision state and the activation state.