

Micro Control Systems

APPLICATION NOTE
APP-053

MCS-BLEED Installation

Revision History

Date	Author	Description
08/21/09	EAC	Create initial version

Theory

The MCS-8, MCS-I/O, and MCS-RO8 contain a snubber capacitors across their relay outputs. These snubber capacitors are a protection device that help eliminate electrical spikes and noise caused by inductive loads connected to the relays. The snubber capacitor leaks a small amount of current (mA) depending on the load. This leakage can keep some devices turned on, such as neon lights and small relays.

This document contains a wiring diagram that shows how to add a load resistor that bleeds the leakage current and allow the device being controlled to operate normally. The MCS-BLEED is designed to be used for 115vac systems.

Wiring of the MCS-BLEED

1. The MCS-BLEED should be wired in parallel with the device you are installing.

MCS-BLEED Wiring Diagram

