

Micro Control Systems

APPLICATION NOTE
APP-047

MCS-IB-CAP Installation

Revision History

Date	Author	Description
02/06/09	EAC	Create initial version
08/21/09	EAC	Updated wiring diagram

Theory

When inductive devices are switched ON and OFF they can cause large transient spikes. Because contacts bounce, transients are generated whether the contacts are being opened or closed, but they are worse when the contacts are being opened.

These transients can cause digital circuit problems. Placing the MCS-IB-CAP on the control voltage of the MCS-SE-IB(x) board helps stabilize the EXV circuit against these transient spikes.

Wiring of the MCS-IB-CAP

1. The Red wire of the MCS-IB-CAP must be wired to the +4-20 of the IB connector block
2. The Black wire of the MCS-IB-CAP must be wired to the -4-20 of the IB connector block.

MCS-IB-CAP Wiring Diagram

