SIEMENS

Fire Safety

Installation Instructions
MODEL BCM-12A-C
Battery Cutoff Module for MXL

INTRODUCTION

The **SIEMENS** Model BCM-12A-C MXL Battery Cutoff module automatically disconnects the system batteries in cases where the batteries discharge below the “Low Battery” system trouble threshold.

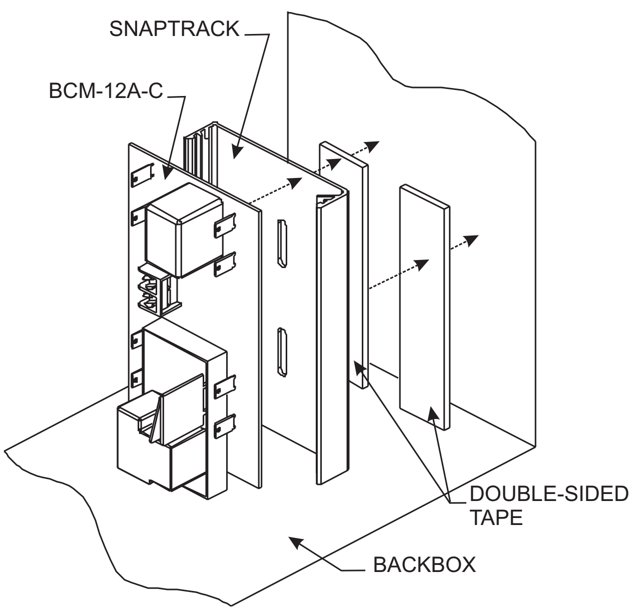

Figure 1
Mounting the BCM-12A-C

MOUNTING

When installing the BCM-12A-C for use with MXL, MXLV, MXL-IQ, or PSR-1, the separation of power limited wiring and non-power limited wiring must be observed. This is accomplished by carefully selecting the location of the BCM-12A-C in the enclosure. For further information, refer to the *MME-3 Power Limited Wiring Instructions*, P/N 315-093831, the *MLE-6 Power Limited Wiring Instructions*, P/N 315-094970, or the *MSE-3L Power Limited Wiring Instructions,* P/N 315-095445, as applicable.

Once the location has been determined, remove the backing from the double-sided tape and mount the snaptrack to the enclosure (Refer to Figure 1). Take care to mount the snaptrack carefully as it is difficult to remove the snaptrack once it is in place.

INSTALLATION

The BCM-12A-C is supplied with four wire assemblies, as shown in Figure 2.

- One set of red and black wire assemblies has uninsulated female quick disconnect terminals on both ends which are used to connect the BCM-12A-C to the battery.

- The other set of red and black wire assemblies has uninsulated female quick disconnect terminals on one end and insulated male quick disconnect terminals on the other end. These are used to connect the BCM-12A-C to the system battery connections.

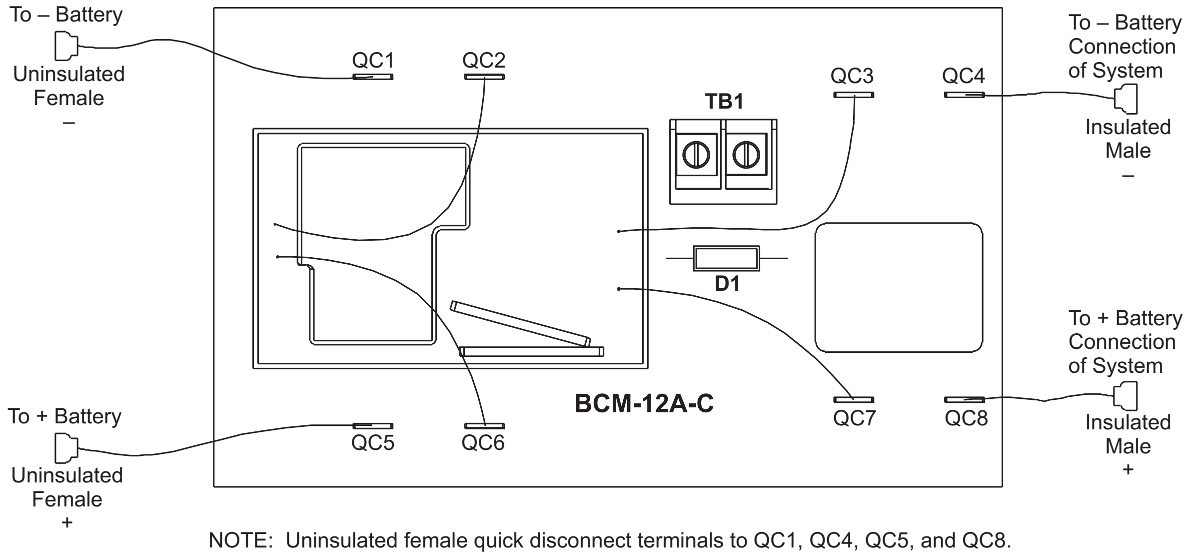

Figure 2
Battery Connections for the BCM-12A-C

CONNECTION AND PROGRAMMING INSTRUCTIONS

The MXL/MXLV or MXL-IQ System must be programmed using the CSG-M to properly operate the BCM-12A-C module. For MXL/MXLV Systems, the BCM-12A-C can be controlled using either the system Supervisory relay or a TRI-B6R/TRI-R module. For MXL-IQ Systems, the BCM-12A-C can be controlled using only a TRI-B6R/TRI-R module.

MXL/MXLV Using System Supervisory Relay

Connect the BCM-12A-C as shown in Figure 3. The system must be programmed to operate the BCM-12A-C. The system “AC FAIL” flag, condition FALSE, must be mapped to transfer the system Supervisory relay in the CSG-M. No other system flags can be mapped to the Supervisory relay. See the CSG-M Manual, P/N 315-090381, for further information.

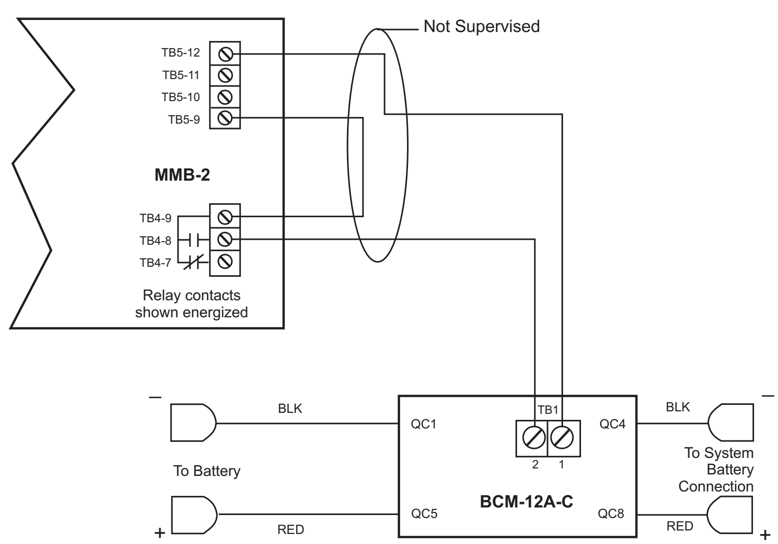

Figure 3
MXL/MXLV Installation Using System Supervisory to Control the BCM-12A-C

MXL/MXLV Using the TRI-R or TRI-B6R

Connect the BCM-12A-C as shown in Figure 4. The system must be programmed in the CSG-M to operate the BCM-12A-C. The TRI-R or TRI-B6R relay must be “armed” when the system “AC FAIL” flag is not set, condition FALSE. When the system “AC FAIL” flag is set, condition TRUE, the system must then disarm the TRI-R or TRI-B6R device. The system “AC FAIL” flag must be mapped to the TRI-R or TRI-B6R as described. See the CSG-M Manual, P/N 315-090381, for further information.

MXL-IQ Using the TRI-R or TRI-B6R

Connect the BCM-12A-C as shown in Figure 5. The system must be programmed in the CSG-M to operate the BCM-12A-C. The TRI-R or TRI-B6R relay must be “armed” when the system “AC FAIL” flag is not set, condition FALSE. When the system “AC FAIL” flag is set, condition TRUE, the system must then disarm the TRI-R or TRI-B6R device. The system “AC FAIL” flag must be mapped to the TRI-R or TRI-B6R as described. See the CSG-M Manual, P/N 315-090381, for further information.

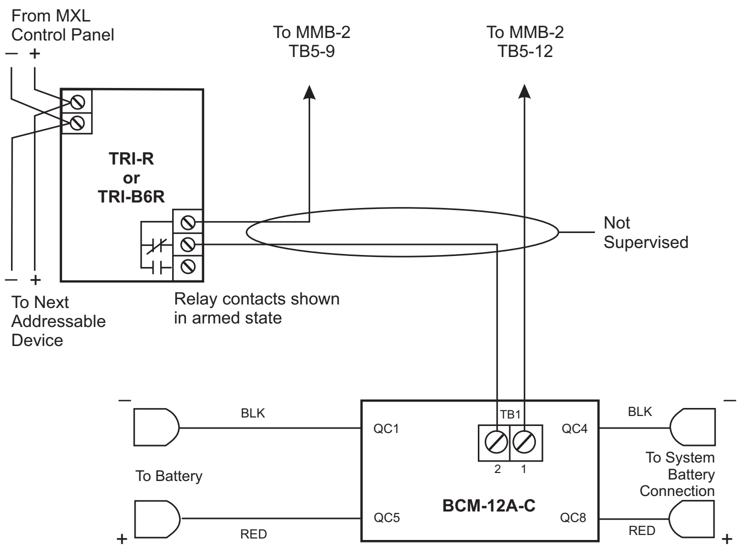

Figure 4
MXL/MXLV Installation Using TRI-R/TRI-B6R to the Control BCM-12A-C

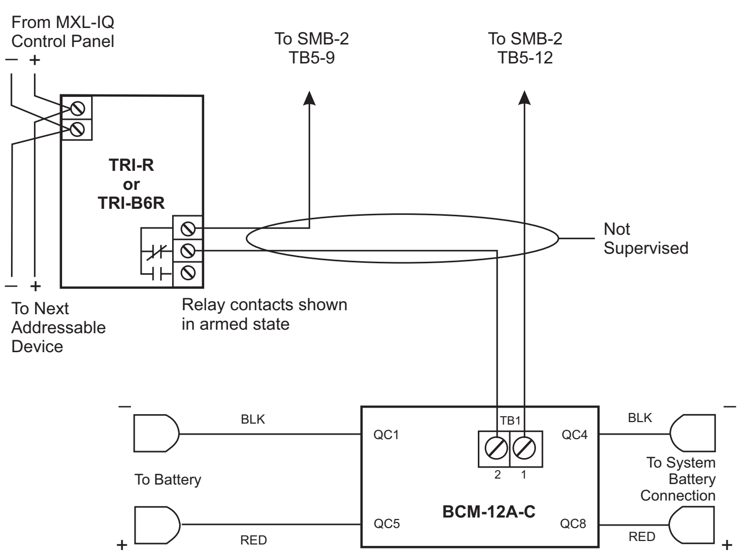

Figure 5
MXL-IQ Installation Using TRI-R/TRI-B6R to the Control BCM-12A-C

PSR-1 Using the TRI-R or TRI-B6R

Connect the BCM-12A-C as shown in Figure 6. The system must be programmed in the CSG-M to operate the BCM-12A-C. The TRI-R or TRI-B6R relay must be "armed" when the system "AC FAIL" flag is not set, condition FALSE. When the system "AC FAIL" flag is set, condition TRUE, the system must then disarm the TRI-R or TRI-B6R device. The system "AC FAIL" flag must be mapped to the TRI-R or TRI-B6R as described. See the CSG-M Manual, P/N 315-090381, for further information.

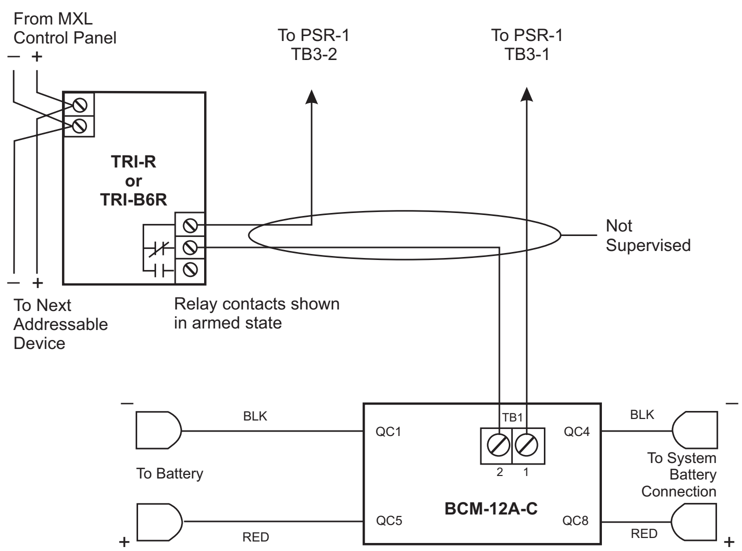

Figure 6
PSR-1 Installation Using TRI-R/TRI-B6R to the Control BCM-12A-C

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