

AutoMate®  
DCS 5000/AutoMax®  
Digital I/O Rails  
and Modules

(M/N 45C1A)

(M/N 45C3)

(M/N 45C4)

(M/N 45C5)

(M/N 45C7)

(M/N 45C40)

(M/N 45C42)

(M/N 45C43)

(M/N 45C44)

(M/N 45C46)

(M/N 45C60)

(M/N 45C62)

(M/N 45C63)

(M/N 45C65)

(M/N 45C66A)

(M/N 45C67)

(M/N 45C68)

(M/N 45C69)

(M/N 45C166A)

# Industrial

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# CONTROLS

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Instruction Manual J-3012-3

**RELIANCE**  
**ELECTRIC** 

The information in this user's manual is subject to change without notice.

**DANGER**

**ONLY QUALIFIED ELECTRICAL PERSONNEL FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THIS EQUIPMENT AND THE HAZARDS INVOLVED SHOULD INSTALL, ADJUST, OPERATE, OR SERVICE THIS EQUIPMENT. READ AND UNDERSTAND THIS MANUAL IN ITS ENTIRETY BEFORE PROCEEDING. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SEVERE BODILY INJURY OR LOSS OF LIFE.**

**DANGER**

**THE USER IS RESPONSIBLE FOR CONFORMING TO THE NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE LOCAL CODES WITH RESPECT TO WIRING, GROUNDING, DISCONNECTS, AND OVERCURRENT PROTECTION. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SEVERE BODILY INJURY OR LOSS OF LIFE.**

**WARNING**

**A HARDWIRED EMERGENCY STOP CIRCUIT OUTSIDE OF THE PROGRAMMABLE CONTROLLER CIRCUITRY MUST BE PROVIDED. USE AN EXTERNAL STOP CIRCUIT AND THE "READY CONTACT" IN THE PROCESSOR TO STOP THE PROCESS SAFELY IN THE EVENT OF EQUIPMENT FAILURE. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN BODILY INJURY AND/OR DAMAGE TO THE EQUIPMENT.**

**DANGER**

**CHECK FOR THE PRESENCE OF VOLTAGE BEFORE YOU PERFORM ANY INSTALLATION OR MAINTENANCE OPERATIONS. THE I/O DEVICES CONNECTED TO THE FIELD WIRING MAY BE POWERED FROM AN EXTERNAL POWER SOURCE. DO NOT ASSUME THAT IT IS SAFE TO WORK ON THE MODULES AND WIRING WHEN JUST THE MAIN SOURCE OF POWER IS DISCONNECTED. DISCONNECT ALL SOURCES OF POWER BEFORE SERVICING THE EQUIPMENT. FAILURE TO OBSERVE THESE PRECAUTIONS COULD RESULT IN SEVERE BODILY INJURY OR LOSS OF LIFE.**

**WARNING**

**REMOVING OR INSERTING A MODULE OR I/O INTERCONNECT CABLE WITH POWER APPLIED MAY RESULT IN UNEXPECTED MACHINE MOTION OR LOSS OF PROCESS CONTROL. STOP THE MACHINE OR PROCESS IN AN ORDERLY FASHION AND DISCONNECT THE POWER TO THE SYSTEM BEFORE YOU REMOVE OR INSERT A MODULE OR I/O INTERCONNECT CABLE. FAILURE TO OBSERVE THESE PRECAUTIONS COULD RESULT IN BODILY INJURY.**

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