MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE

IIMKM02A

INFI 90 MULTIBUS KEYBOARD MODULE

Used with the applicable ABB Bailey Infi 90 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Bailey Controls OIC 40 Series Hardware, I-E96-192-5A, IIMKM02A Section

SECTION 6 - COMPONENT DESCRIPTION AND REPLACEMENT

INTRODUCTION

This section provides a description of components and explains how to replace the components in the OIC console. It contains jumper and dipswitch settings and also component locations and settings. There are no special tools required.

Components in the OIC consoles are configured at the factory. This information is given in case settings are changed or hardware needs to be replaced.

Table 6-1 lists the hardware used in the OIC operator interfaces that are covered in this section.

IIMKM02A MULTIBUS KEYBOARD MODULE

The multibus keyboard module interfaces the keyboard and other operator input devices to the OIC console. The location of the module varies depending on which type of OIC is being used. There are six jumpers on the MKM board to set for proper operation (Figure 6-1).

Table 6-1. Hardware

Nomenclature or Part Number	OIC Model Description				Hardware Description
	421	422	423	424	
1948623A9	x	x	x	x	19-inch color monitor
6638353A7		x			Power entry panel
6638514A1	x	x	x	x	Keyboard assembly (mylar)
6638553A5		x			Power supply assembly
6638554A2		x	x	x	keyboard interface assembly
6639030A5	x				keyboard interface assembly
6639503A5			x[1]		Power entry panel
6640038A1	x		x	x	Power supply
6640300A1		x			Four slot multibus card cage
6640851A2				x[1]	Power entry panel
IIADP01	x	x		x	Annunciator/display panel (tabletop - optional)
IIADP02		x		x	Annunciator/display panel
IIAKB04	x	x	x[2]	x	QWERTY engineering keyboard
IIAMS04	x	x		x	Mouse
IIATB05	x	x		x	Trackball
IIMKM02A	x	x	x	x	Multibus keyboard module
NADS03			x		Annunciator display panel

NOTES:
1. Includes keyboard interface assembly.
2. IIOIC423 requires an IIAKB04 without the adapter.

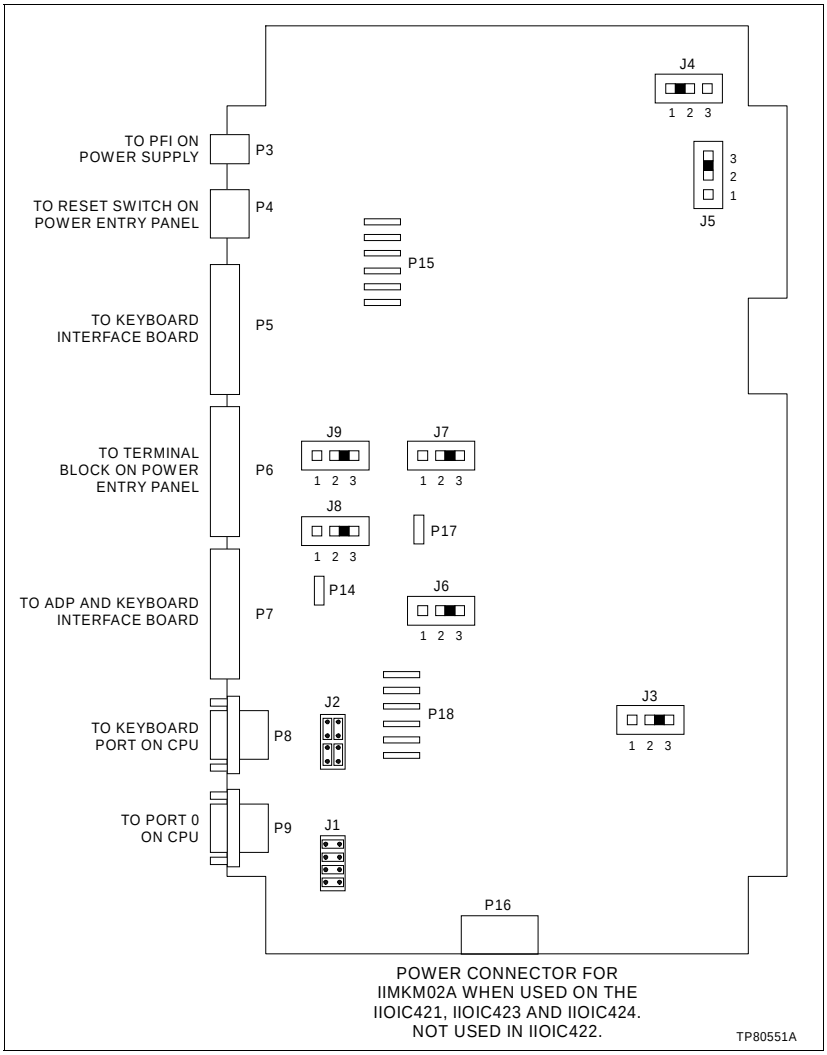


Figure 6-1. IIMKM02A Multibus Keyboard Module

Jumpers J1 and J2 control serial ports one (P8) and two (P9). Connecting the eight pins horizontally configures the serial port for data to be transmitted from the MKM module on pin three of the connector and received from the connected device on pin two of the connector. Connecting the eight pins vertically as shown for P9 in Figure 6-1 configures the serial port for data to be transmitted from the MKM module on pin two of the connector and received from the connected device on pin three of the connector.

Jumper J3 resets the OIC multibus card cage when the MKM watchdog timer circuit times out. Set the jumper to J3 pins one and two for OIC reset on time-out. Set the jumper to J3 pins two and three for no OIC reset on time-out. Factory default is no reset on time-out.

Jumper J4 allows the option of disabling the power supply out-of-tolerance (OOT) signal to reset the MKM module. Set the

jumper to J4 pins one and two to disable the OOT signal. Set the jumper to J4 pins two and three to enable the OOT signal. Factory default is to disable OOT on all OIC consoles

> **NOTE:** The two digital outputs are open collector type which sink up to 250 milliamps. The two digital inputs are rated at up to 250 milliamps (future).

Jumper J5 must be set to pins two and three.

Jumpers J6 and J8 are for consoles with the touch screen option. Setting the jumpers to J6 and J8 pins two and three disconnects the MKM lead. A cable then connects the touch screen controller board directly to the CPU port 1.

Jumpers J7 and J9 are reserved for future use and are not used on the IIOIC42 console.

IIMKM02A MULTIBUS KEYBOARD MODULE REPLACEMENT

CAUTION	**Failure to turn off the main power circuit breaker before removing or inserting modules into the card cage may result in equipment failure.**
ATTENTION	**Si l'on omet d'eteindre l'interrupteur du circuit d'alimentation principal avant de retirer les cartes ou de les inserer dans le porte-cartes, l'equipment pourrait faire default.**

The IIMKM02A multibus keyboard module is the only module used in the IIOIC42 console. The multibus keyboard module connects the keyboard interface assembly to the CPU.

IIOIC422 Console

In the IIOIC422 model, the MKM board is located in the multibus card cage. Remove the module from the multibus card cage by following these steps:

1. Open the door on the front of the cabinet and turn off the main power circuit breaker.

2. Remove the required cables.

3. Loosen (do not remove) the two screws in the left and right card retaining brackets.

4. Slide the left and right card retaining brackets out of the way to permit the module removal tabs on the card to pass.

5. To unseat a module, lift the module removal tabs.

6. Carefully slide the module out of the multibus card cage.

7. Check the jumper settings on the new module before assembling into the card cage.