# GE Genius I-O Series Service Manual

IC660BCM501

## 1. Description

The IC660BCM501 is a handheld monitor battery charger from the GE Fanuc Genius I/O family. IC660BCM501 is a valuable operator interface device that is best used to set up and monitor Genius I/O and communications systems. It weighs 3 lbs. and is operated using either the built-in battery or a 115 volt or 230 volt AC power supply. The battery pack must always be installed to operate IC660BCM501 even when using AC power. IC660BCM501 comes with an LCD display that has four lines of 16 characters ea

## 2. Specifications

| Specification | Value |
|---|---|
| Brand | **GE Fanuc** |
| Series | **Genius I-O** |
| Part | **number IC660BCM501** |
| Product | **type Battery charger** |
| Compatibility | **IC660HHM501** |
| Input | **voltage 115 / 230 Volts AC** |
| Purpose | **To charge the battery of a hand-held monitor** |
| Minimum | **charging time 15 minutes** |
| Voltage | **selection device Voltage switch** |
| Operation | **with the charger connected Supported  Description** |
| The | **GE Fanuc IC660BCM501 device is a battery charger which is provided with the GE IC660HHM501 hand-held monitor. The IC660BCM501 battery charger is used to charge the battery pack which is also provided with the hand-held monitor. The IC660BCM501 battery charger can operate at either 115 Volts AC or 230 Volts AC. Before the charger is plugged into AC power source to operate or charge the hand-held monitor, the switch at the base of the IC660BCM501 battery charger must be set to match the incoming voltage level (115 or 230 Volts AC). The hand-held monitor can operate while the charger is connected. The hand-held monitor can operate by drawing power from an inte** |

## 3. Product Information

The IC660BCM501 is a handheld monitor battery charger from the GE Fanuc Genius I/O family. IC660BCM501 is a valuable operator interface device that is best used to set up and monitor Genius I/O and communications systems. It weighs 3 lbs. and is operated using either the built-in battery or a 115 volt or 230 volt AC power supply. The battery pack must always be installed to operate IC660BCM501 even when using AC power. IC660BCM501 comes with an LCD display that has four lines of 16 characters each and a 20-key sealed membrane keypad. The keypad has three sets of keys, including function keys F1-F4, operation, and decimal keys. English is the main display language; however, language can easily be changed to French, Italian or German.

The screen on IC660BCM501 acts as the operator’s window to the Genius bus and its other devices courtesy of a keyswitch. The switch can be set to either configure (cfg) or monitor (mon) positions. When the switch is in the configure position, all functions are available. The handheld monitor can be configured to determine features that will be usable once the key is removed. While the keyswitch is in monitor position, IC660BCM501 can monitor bus and block data. Functions such as clearing faults or configuring I/O blocks can be used in monitor mode only if IC660BCM501 has been set up to allow their use. The keyswitch must be present to move the switch from monitor to configure mode. The keyswitch can only be removed in monitor position. Each new handheld monitor is sold with two identical keys. It is advisable to remove the key if system security becomes a concern.

IC660BCM501 is also catalogued with the following product codes: CIMIC660BCM501, GEFIC660BCM501, and 1C660BCM501.  The GE Fanuc IC660BCM501 device is a battery charger. The IC660BCM501 battery charger is used for charging of the internal battery pack on the GE IC660HHM501 hand-held monitor.  Technical specifications for IC660BCM501

Brand GE Fanuc

Series Genius I-O

Part number IC660BCM501

Product type Battery charger

Compatibility IC660HHM501

Input voltage 115 / 230 Volts AC

Purpose To charge the battery of a hand-held monitor

Minimum charging time 15 minutes

Voltage selection device Voltage switch

Operation with the charger connected Supported  Description

The GE Fanuc IC660BCM501 device is a battery charger which is provided with the GE IC660HHM501 hand-held monitor. The IC660BCM501 battery charger is used to charge the battery pack which is also provided with the hand-held monitor. The IC660BCM501 battery charger can operate at either 115 Volts AC or 230 Volts AC. Before the charger is plugged into AC power source to operate or charge the hand-held monitor, the switch at the base of the IC660BCM501 battery charger must be set to match the incoming voltage level (115 or 230 Volts AC). The hand-held monitor can operate while the charger is connected. The hand-held monitor can operate by drawing power from an internal battery or from an external AC power source. In either case, the battery must always be installed in the unit, otherwise the unit will not operate.

If the internal battery is new or if it has been completely discharged due to operation from battery power, then the battery must be charged for a minimum of 15 minutes before the hand-held monitor can be used. If it is necessary to restore temporary operation before charging is complete, then the charger cable must be plugged into the hand-held monitor and the battery must be charged for 15 minutes before the hand-held monitor is powered up. It may also be necessary to remove the internal battery pack for 15 to 20 seconds and then reinstall it. Operating the hand-held monitor continuously on AC power causes the internal battery to deteriorate. After 2 years of AC operation, the internal battery may not be able to hold enough charge for the independent operation of the hand-held monitor. However, the hand-held monitor can still be used for AC operation.