

UMC800 Controller CPU Replacement Instruction

Document Number


Form: 51-52-33-114

Effective: 3/01

Summary

Enclosed is a new CPU module for your UMC800 Controller. These instructions address the replacement of the CPU module.

Determine your release number

To check, press  to access the main menu, Unit Setup, Controller Status, Rev Level.

System level release number: (x = 1 thru 9)

System Level Release Number
3.x
4.x
5.x

Verify proper upgrade kit

Check the table below to make sure you have to proper Upgrade Kit

These instructions apply to the following replacement kits.

Controller CPU Kit, 8 Loops,	Release 3 -	51404865-501
Controller CPU Kit, 16 Loops,	Release 3 -	51404865-502
Controller CPU Kit, 8 Loops & RS485 Comm,	Release 3 -	51404865-503
Controller CPU Kit, 16 Loops & RS485 Comm,	Release 3 -	51404865-504
Controller CPU Kit, 8 Loops,	Release 4 -	51404865-505
Controller CPU Kit, 16 Loops,	Release 4 -	51404865-506
Controller CPU Kit, 8 Loops & RS485 Comm,	Release 4 -	51404865-507
Controller CPU Kit, 16 Loops & RS485 Comm,	Release 4 -	51404865-508
Controller CPU Kit, 8 Loops,	Release 5 -	51404865-509
Controller CPU Kit, 16 Loops,	Release 5 -	51404865-510
Controller CPU Kit, 8 Loops & RS485 Comm,	Release 5 -	51404865-511
Controller CPU Kit, 16 Loops & RS485 Comm,	Release 5 -	51404865-512

Symbol Definitions

CAUTION

This **CAUTION** symbol indicates a potentially hazardous situation, which, if not avoided, may result in property damage.



WARNING

PERSONAL INJURY: Risk of electrical shock. This symbol warns the user of a potential shock hazard where HAZARDOUS LIVE voltages greater than 30 Vrms, 42.4 Vpeak, or 60 Vdc may be accessible. **Failure to comply with these instructions could result in death or serious injury.**




ATTENTION, Electrostatic Discharge (ESD) hazards. Observe precautions for handling electrostatic sensitive devices



WARNING

Never access components inside the controller enclosure with power applied.

CAUTION

This equipment contains devices that can be damaged by electrostatic discharge.  It is imperative that assemblies containing static-sensitive devices be carried in conductive plastic bags. When adjusting or performing any work on such assemblies, grounded work stations and wrist straps must be used.

Component Location

Refer to Figure 1 for the location of the CPU module.

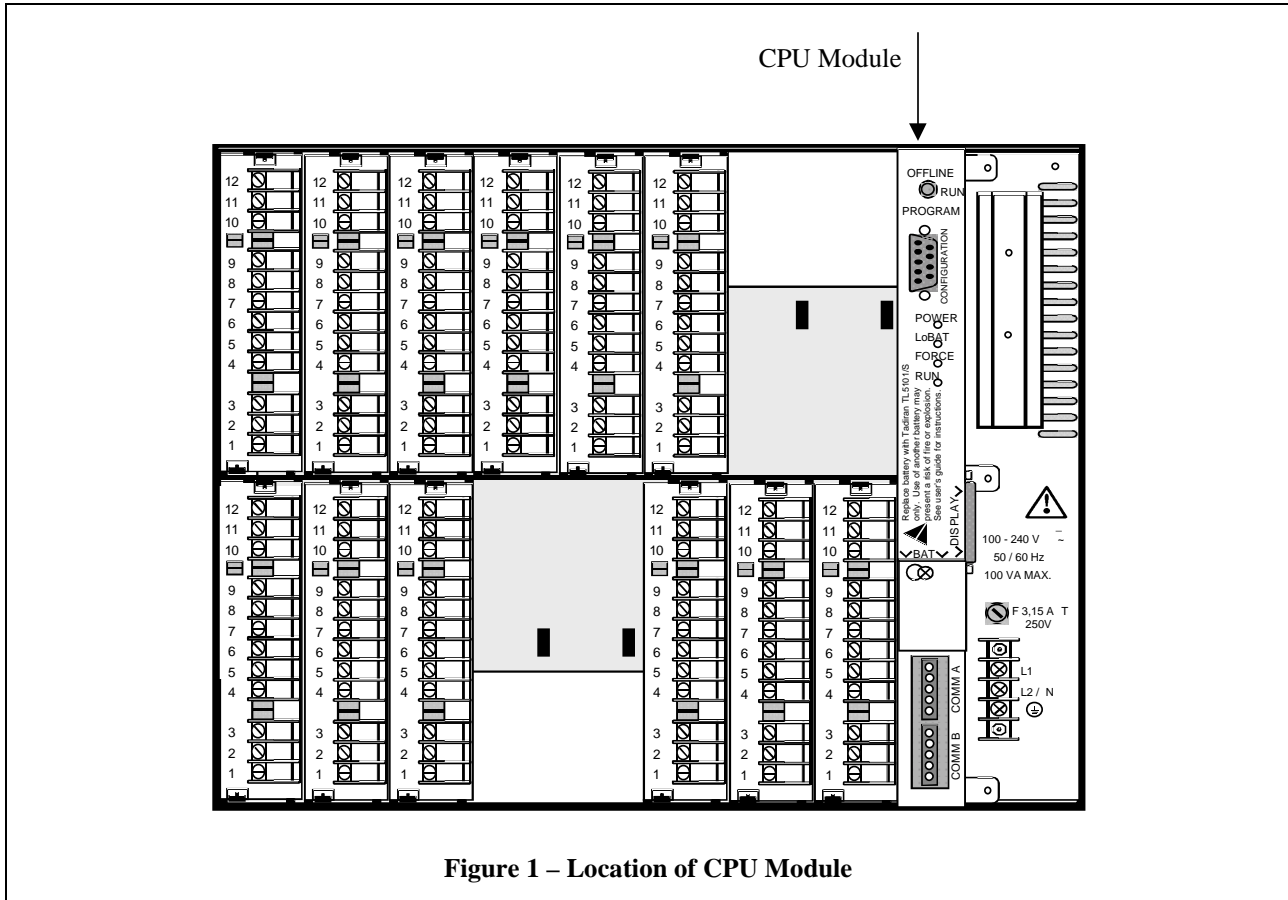

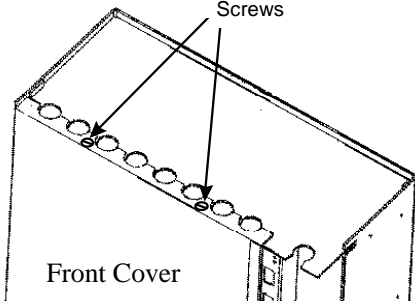
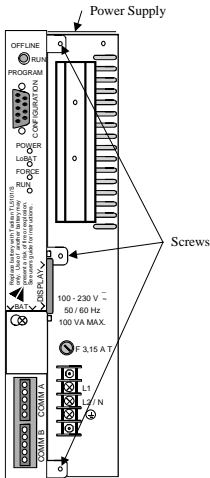


Figure 1 – Location of CPU Module

Follow the procedure in Table 1 to replace the CPU module in the controller.

Table 1– CPU Module Upgrade

Step	Action
1	 WARNING Never access components inside the controller enclosure with power applied. Remove power from the controller. Disconnect cables from Display and Configuration ports.
2	Remove the front cover by loosening the two screws at the top of the enclosure. 
3	Remove the three screws securing the CPU module to the power supply. 
4	Unplug the CPU module from the controller slot by pulling it straight out from its slot.
5	Carefully insert the new CPU module into its enclosure slot and secure with three screws removed in step 3.
6	Replace the front cover and secure with two screws.
7	Reconnect cables to Display and Configuration ports.
8	Restore power to the controller.
9	Reload the controller configuration file.
10	Verify controller configuration.
11	Perform calibration of AI modules and CJC references for all channels if better than 0.1% accuracy is required. All controller components are factory-calibrated to $\pm 0.1\%$ accuracy. If better than 0.1% accuracy is required, refer to the <i>UMC800 Operator Interface User Guide, 51-52-25-62</i> , for details on field calibration.

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is **in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose**. Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Honeywell

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