This Datasheet for the

IC693ACC302

High capacity battery pack. The new Auxiliary Battery Pack (IC693ACC302) will enable Series 90-30 & Series 90-70 CPUs (except CPU374) to go up to 75 months (shelf life of 10 years) of RAM memory backup w/no power & the CPU374 backup=15 mo

http://www.cimtecautomation.com/parts/p-14538-ic693acc302.aspx

Provides the wiring diagrams and installation guidelines for this GE Series 90-30 module.

For further information, please contact Cimtec Technical Support at

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PLC DATA SHEET

IC693ACC302 Auxiliary Battery Module

The optional I693ACC302 Auxiliary Battery Module provides an extended memory backup time over that of the standard memory backup batteries for IC693 and IC697 PLCs.

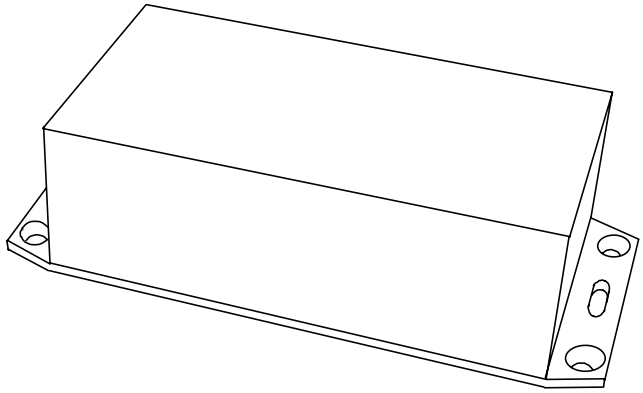

Figure 1. IC693ACC302 Auxiliary Battery Module

Specifications

Parameter	Specification	
Battery capacity	15.0 Amp-hours	
Physical dimensions	5.713” long x 2.559” wide x 1.571” high (145.1 x 65.0 x 39.9 mm)	
Case material	Black, flame-retardant ABS plastic	
Connection	2.0’ (0.6 meter) twisted red/black 24 AWG lead with female 2-pin connector	
Compatibility	Compatible with all battery connectors on IC693 power supplies and IC697 CPUs	
Operating temperature range	0 to +60C	
Shelf life	7 years	
Memory backup life	15 months	IC693 CPU374 (when available)
	75 months	• IC693 CPUs 311 - 364 • All existing IC697 CPUs

Pre-installation Check

Carefully inspect all shipping containers for damage. If any equipment is damaged, notify the delivery service immediately. Save the damaged shipping container for inspection by the delivery service. After unpacking the equipment, record all serial numbers. Save the shipping containers and packing material in case it is necessary to transport or ship any part of the system.

Installation

1. With power removed from the equipment, drill four #29 (0.136”) holes, and tap for #8-32 threads, according to the hole pattern shown in the following figure. Use care to keep metal chips from falling into other equipment.

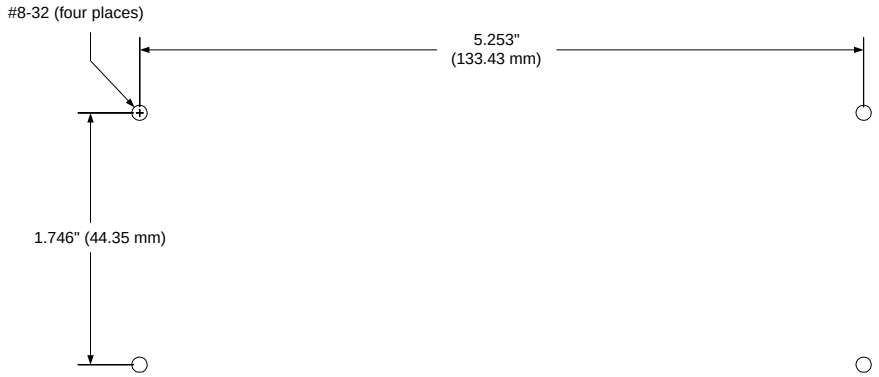

Figure 2. Mounting Hole Layout

2. Securely attach the Auxiliary Battery Module to the panel mounting surface using four #8-32 x ½” flat head machine screws.
3. **Note - refer to the IC693 or IC697 installation manual for details on avoiding loss of PLC memory contents when replacing a memory backup battery.** Connect the cable from the battery module to the battery connector on the PLC. For IC693 systems, the battery connector is located on the power supply module in the CPU baseplate, and the cable must be routed through the small slot in the bottom of the battery compartment. For IC697 systems, the battery connector is on the CPU module, and the cable must be routed out the bottom of the CPU module. **Be careful not to pinch the battery cable when closing the IC693 battery compartment cover or IC697 CPU module cover.** Note – remove the standard memory backup battery when using the auxiliary battery module.

Operating Notes and Restrictions

Maintenance and Testing

Note - any maintenance or testing of this unit should be performed only by qualified personnel who are trained in electrical safety practices and procedures. This unit is not user-serviceable. The unit has a built-in 1-Amp fuse that will open if the unit is subjected to a short-circuit or severe overload condition. This fuse is sealed inside the battery pack and is not replaceable.

Note - refer to the IC693 or IC697 installation manual for details on avoiding loss of PLC memory contents when replacing or testing a memory backup battery. To test the unit if you suspect that the fuse has opened, turn off PLC power, unplug the battery unit, and carefully check the battery cable connector pins for presence of voltage with a volt meter. If voltage is present, the fuse in not open. If no voltage is present, the internal fuse has probably opened and the unit will have to be replaced.

Date Code

The date code is located on the product label on the front of the auxiliary battery module. The date code consists of three digits, such as 211. Currently, the first digit represents the year of manufacture in the 21st century; such as 2 for 2002. The last two digits represent the fiscal week of manufacture; for example 11 stands for fiscal week 11.

Battery packs that have been in storage for several years (depending on the CPU type and how critical the application is) should be discarded because these units have a finite shelf life of seven years.

Safe Disposal

Once this product has lived its useful life, dispose of it safely according to the battery manufacturer’s Material Safety Data Sheet (MSDS) that is included with this product.