PACSystems™

AUXILIARY SMART BATTERY MODULE (IC695ACC302)

EMERSON™

Warnings and Caution Notes as Used in this Publication

⚠ WARNING

Warning notices are used in this publication to emphasize that hazardous voltages, currents, temperatures, or other conditions that could cause personal injury exist in this equipment or may be associated with its use.

In situations where inattention could cause either personal injury or damage to equipment, a Warning notice is used.

⚠ CAUTION

Caution notices are used where equipment might be damaged if care is not taken.

Note: Notes merely call attention to information that is especially significant to understanding and operating the equipment.

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Introduction

The IC695ACC302 Auxiliary Smart Battery module is an enhanced version of the IC693ACC302 Auxiliary Battery module. The IC695ACC302 Auxiliary Smart Battery module provides extended volatile memory backup time compared to that of the standard coin cell batteries for PACSystems CPUs and includes reliable low battery detection for compatible CPUs.

For details on the operation of specific CPU models, refer to the PACSystems CPU Reference Manual (GFK-2222).

For additional details on battery installation, operation, safe handling and disposal, and agency certifications, refer to the PACSystems Controllers Battery and Energy Pack Manual (GFK-2741).

Date Code

The date code is located on the product label at the right bottom edge. The date code consists of four digits, such as 1011. The first two digits represent the year of manufacture in the 21st century, such as 10 for the year 2010. The last two digits represent the fiscal week of manufacture for the indicated year (for example 11 stands for fiscal week 11).

Installation Information

While installing the battery to the CPU, first connect the four-pin Male JAE connector on the enabling adapter cable to the female four-pin JAE connector on the battery module as displayed in the following figure. (Installing the four-pin connector enables the battery.)

Note: *The battery will begin to drain immediately if attached to the CPU in Power OFF condition. To maximize battery life, it is recommended that you install the fresh battery after power has been turned ON to the attached CPU.*

Once the enabling adapter cable is connected, the battery starts to drain, even if it is not attached to the CPU. It is recommended to disconnect the enabling adapter cable from the battery module when the battery is not in use. Even though the discharge current would be negligible with just the enabling adapter cable connected, this can affect battery life if left in this condition for long durations.

⚠ **WARNING**

- The battery used in this device may present a risk of fire, explosion, or chemical burn if mistreated. Do not short-circuit, crush, disassemble, or dispose of with fire.
- Use of a battery not specified by the manufacturer may present a risk of fire or explosion.

⚠ **DANGER**

EXPLOSION HAZARD
Do not install or replace the battery module unless the area is known to be non-hazardous.

Safe Handling and Disposal

For safe handling and disposal of dead battery modules, reference the manufacturer's Material Safety Data Sheet (MSDS) and the Battery Disposal Document included with this product.

Release History

Catalog Numbers	Version	Date	Comments
IC695ACC302-CB	1.1	Jun 2023	• Change in component production location. No change to fit, form, nor functionality. • Product labels have been updated to show compliance with new certifications. For updated certifications, please refer to • https://emerson-mas.force.com/communities/en_US/Article/Certifications-and-Agency-Approvals-Landing-Page • Removed ATEX markings from the product label. • Removed EAC markings from product label.
IC695ACC302-BB	1.1	Sep 2019	Following Emerson's acquisition of this product, changes have been made to apply appropriate branding and registration of the product with required certification agencies. No changes to material, process, form, fit or functionality.
IC695ACC302-AB	1.1	Aug 2012	Resolves issue with indication of correct low battery period when used with higher versions of RX7i CPUs
IC695ACC302-AA	1.0	Mar 2011	Initial release

Problems Resolved in this Version

None

Related Documents

PACSystems CPU Reference Manual (GFK-2222)

PACSystems RX7i Installation Manual (GFK-2223)

PACSystems RX3i System Manual (GFK-2314)

PACSystems Controllers Battery and Energy Pack Manual (GFK-2741)

General Contact Information

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Any escalation request should be sent to: mas.sfdcescalation@emerson.com

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