

To request additional information or a proposal about our "LEGACY BOARDS UPGRADE PRODUCTS" contact our Client Services Department:

AMETEK®
SOLIDSTATE CONTROLS
875 Dearborn Dr.
Columbus, OH 43085
PH: 614-846-7500
Fax: 614-785-7062
or email
jean.falor@ametek.com

AMETEK®
SOLIDSTATE CONTROLS

The Columbus, Ohio facility is ISO 9001 Certified

World Headquarters
875 Dearborn Drive - Columbus, OH 43085
Phone: 1-614-846-7500 1-800-635-7300
Fax: 1-614-885-3990

Latin American/South American Headquarters
Olive 1954 2000 Rosario, Argentina
Phone: +54-341-455-3332
Fax: +54-341-454-0142

Asia Pacific Headquarters
AMETEK Singapore Office
Solidstate Controls
43 Changi South Ave 2 #04-01
Singapore 486164
Phone: 65-6484-2388 Fax: 65-6481-6588

Mexico Office
Calle Lago Meru
No.32 3rd Floor
Mexico City, Mexico 11520 D.F.
Phone: +52-555-250-1232
Fax: +52-555-250-7981

Visit our websites:

English-www.solidstatecontrolsinc.com -**Nuclear-**www.nuclearups.com -**Spanish-** www.solidstatecontrolsinc-esp.com
Russian- www.solidstatecontrolsinc-ru.com **Chinese-** www.solidstatecontrolsinc-chn.com
Brazilian Portuguese- www.solidstatecontrolsinc-bz.com

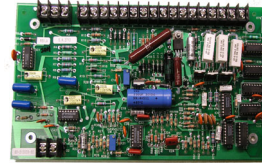
L
E
G
A
C
Y

New Upgrade Kits Available from AMETEK Solidstate Controls for LEGACY EQUIPMENT



AMETEK Solidstate Controls has manufactured chargers, inverters, and static switches for critical applications over the past 40 years. We continue to support legacy "Analog" products and have developed several field upgrades for our non-microprocessor based equipment.

The upgrade kit can be installed during a Preventive Maintenance (PM) visit, or scheduled as a stand-alone service trip. In either case, we think you'll agree these upgrades are an economical solution and will improve system performance and reliability.



BATTERY CHARGER VOLTAGE CONTROL BOARD UPGRADE

SCI's Battery Charger voltage control board upgrade offers three distinct advantages over the boards originally supplied with our legacy products.

A greater degree of protection against high voltage conditions:

By using two 'comparator' circuits, the new boards utilize two distinct levels of detection to protect the DC load(s) from an over-voltage situation. The first level will cause the voltage to phase back approximately 10%. However, if the output should continue to rise, a second detector will actually cause the charger to shutdown and protect the load.

Improved Current Limit

Controls current to the battery more precisely through sensor in series with the battery bank.

Eliminates "Drift"

Eliminates the need for maintenance personnel to frequently adjust the output voltage due to the changes in the gain of the gate drive circuitry.

P
R
O
D
U
C
T
S



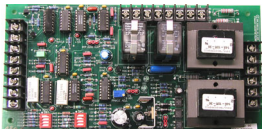
LEGACY PRODUCTS

FIELD UPGRADE

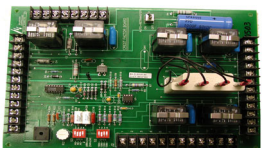


OSCILLATOR/SYNCHRONIZATION (SYNC) BOARD UPGRADE

This upgrade will appeal to any client who has experienced off-frequency conditions and random out-of-sync alarms.



- * Utilizes advanced frequency control for the oscillator
- * Includes phase lock-loop technology for synchronization
- * A complete 'form, fit and function' replacement. The new boards physically fit into the existing board locations
- * Eliminates nuisance, random "out-of-sync" alarms
- * Eliminates the need for service and maintenance personnel to make frequent adjustments to the sync circuitry



STATIC SWITCH CREST FACTOR BOARD

- * Improves performance with non-linear loads such as switch mode power supplies
- * High Crest Factor loads generated by switch-mode power supplies can be handled without oversizing the inverter
- * SCI's **Crest Factor** circuit has the ability to recognize true overloads and faults, thereby eliminating nuisance transfers and "bouncing" of the load between the inverter and the alternate source
- * Compatible with today's highly sensitive electronic loads
- * Ease of adjustability using a dip switch that supports settings of 100, 120, 130 and 150% of rated load
- * Upgrade kit also includes an **Auto-Retransfer** circuit with standard 30 second timer

REMOTE THREE (3) POSITION MANUAL MAINTENANCE BYPASS SWITCH (RMBS)

- * Adds flexibility **and safety** to a UPS/Inverter installation
- * Offers complete isolation of your inverter/UPS, which enables maintenance personnel as well as SCI Technicians to completely remove all power sources from the unit, allowing them to work on the unit safely, while maintaining power to your load.
- * Housed in a wall-mounted, NEMA 1 enclosure
- * A virtually self-contained product, including its own sync logic circuitry
- * Can be mounted in a room separate from the UPS/inverter



CELLRX BATTERY MONITOR

Provides the **3-Ps** of battery monitoring:

- * **Proactive**
 - Continuously monitors and analyzes the condition of your station battery
 - Connectivity for remote monitoring
- * **Predictive**
 - Trends the battery's condition over time; compares the battery's performance to a known baseline standard
- * **Preventive**
 - Provides capability for AMETEK SCI to monitor batteries remotely and issue reports, etc. based on real-time analysis so you can take care of the battery **before** problems occur
 - Improved maintenance, data collection, and safety

