

PRODUCT | **CONSTELLATION & GALAXY FIELD CONTROLLERS****SUBJECT** |
(1) **G3 ACPAC / FIRMWARE V6.00**
(2) **G3 KEYPAD & DISPLAY**
(3) **ADVANCED SURGE PROTECTION FOR HARDWIRE COMMUNICATION**
(4) **ADVANCED SURGE PROTECTION FOR NETWORK SENSORS****RELEASE DATE** | **FEBRUARY 16, 2011****GMB NUMBER** | **2011.02****PAGES** | **PAGE 1 OF 3****SUMMARY**

We are pleased to announce some product improvements to the CONSTELLATION® and GALAXY™ field controllers. In order to take advantage of these product improvements a new CPU/PSU assembly, referred to as an ACPAC when assembled, has been developed. The new ACPAC is known as a Generation 3 or 'G3' ACPAC. The G3 ACPAC utilizes Firmware v6.00 for operation.

In addition, a new display has also been developed to be released with the G3 ACPAC and is referred to as a G3 Keypad & Display. Among other benefits, the G3 Keypad & Display offers better range of operation and visibility in sunlight.

Also included in the improvements is an option for highly upgraded surge protection for the hardwire communication lines and the network moisture sensors.

The G3 field controllers, including the G3 ACPACs with Firmware v6.0 and G3 Keypads & Displays, will be start shipping on all orders on or after 7 March 2011.

G3 ACPAC / FIRMWARE V6.0

As Signature progresses to the next generation of components, together with updates and upgrades requested by the field, it was deemed necessary to create a G3 ACPAC. The G3 ACPAC utilizes Firmware v6.00 for operation.

Once G3 ACPACs start shipping, all remaining G2 ACPACs will be reserved for replacement or for repair parts for established sites. The inventory of G2 ACPACs is sufficient for several years at current usage rates; when they are exhausted they will be discontinued.

Requests for an ACPAC as a spare part will require firmware type and hardware type to be coupled, i.e.:

Orders for v5.xx firmware will use a G2 ACPAC

Orders for v6.xx firmware will use a G3 ACPAC

Orders for v6.xx firmware with a G2 ACPAC should be rare, and handled in the notes section

Please refer to the attached for the new Part Numbers.

(Continued)

G3 KEYPAD & DISPLAY

A new and improved display has been developed to be released with the G3 ACPAC and is referred to as a G3 Keypad & Display. The display is not available separately, but comes integrated in the keypad as a whole good.

The G3 Keypad & Display has a nice, fresh look, uses lower power, operates in a wider temperature range and has much better readability in sunlight.

The old display will be discontinued at time of G3 ACPAC release. The G3 Keypad works with G2 ACPACs but requires a different ribbon cable, and a P/N has been created to address this. When ordering a replacement keypad as a spare part, the P/N will depend on the ACPAC hardware.

Please refer to the attached for the new Part Numbers.

ADVANCED SURGE PROTECTION FOR HARDWIRE COMMUNICATIONS

When using the G3 ACPAC there is an option for a new surge board for Hardwire Communications. This board offers added protection to surges on the hardwire communication lines. In addition, the surge board moves the hardwire connections away from the ACPAC and relocates them to the bottom of the controller, which was based upon requests from the field.

Please refer to the attached for the new Part Numbers.

ADVANCED SURGE PROTECTION FOR NETWORK SENSORS

When using the G3 ACPAC there is an option for a new surge board for Network Sensors. This board offers added protection to surges on the network sensors.

Please refer to the attached for the new Part Numbers.

For additional questions or information, please contact your local Signature representative directly.

Approved for GMB Release by:

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NEW PART NUMBERS (P/N) - SIGNATURE VERSIONS

P/N FOR ACPAC: (New Part Numbers indicated in red)

GALAXY SATELLITE CPU VERSIONS

ACPAC510L - GAL Satellite CPU & PSU (G2-Assembled) v5.10
ACPAC520L - GAL Satellite CPU & PSU (G2-Assembled) v5.20
ACPAC530L - GAL Satellite CPU & PSU (G2-Assembled) v5.30
ACPAC540L - GAL Satellite CPU & PSU (G2-Assembled) v5.40
ACPAC550L - GAL Satellite CPU & PSU (G2-Assembled) v5.50
ACPAC600L - GAL Satellite CPU & PSU (G3-Assembled) v6.00

CONSTELLATION SATELLITE CPU VERSIONS

ACPAC510 - CON Satellite CPU & PSU (G2-Assembled) v5.10
ACPAC520 - CON Satellite CPU & PSU (G2-Assembled) v5.20
ACPAC530 - CON Satellite CPU & PSU (G2-Assembled) v5.30
ACPAC540 - CON Satellite CPU & PSU (G2-Assembled) v5.40
ACPAC550 - CON Satellite CPU & PSU (G2-Assembled) v5.50
ACPAC600 - CON Satellite CPU & PSU (G3-Assembled) v6.00

P/N FOR KEYPAD & DISPLAY: (New Part Numbers indicated in red)

AKPDP - Keypad & Display (Plastic Pedestal) [original version]
AKPDS - Keypad & Display (Wall Mount) [original version]
AKPDP2 - Keypad & Display (Plastic Pedestal) with New Display & G2 Interface
AKPDS2 - Keypad & Display (Wall Mount) with New Display & G2 Interface
AKPDP3 - Keypad & Display (Plastic Pedestal) with New Display for G3 ACPAC
AKPDS3 - Keypad & Display (Wall Mount) with New Display for G3 ACPAC

P/N FOR ADVANCED SURGE PROTECTION (New Part Numbers indicated in red)

ATCSC2 - Satellite Hardwire Termination & Surge Module c/w Interface Cable
ATSSC2 - Satellite Sensor Termination & Surge Module c/w Interface Cable