

To whom it may concern,

TCS Basys Controls has determined that use of the PK3000 and PK3100 –Uninterruptible Power Supply (UPS) is no longer required on current versions of the QD2040 and QWL 3.0 panels.

The original “Legacy” Front End Communication Devices (e.g. QD2040-REG, QD2040-ADV, etc...) have the power supply internal to the unit and are plugged directly into 120VAC. In this case, the UPS acted to regulate and condition the power being introduced to the device. With the newer Front End Communication Devices (e.g. QWL 3.0, QD2040, etc...) the power supply is external. This external power supply, similar to those found on standard laptop computers, regulates and conditions the power as it converts the 120VAC into 12VDC. Therefore, for this function, the UPS becomes unnecessary.

Furthermore an installed UPS requires maintenance and should be placed on a PM schedule, which in many cases was not done. Since in many cases the QD2040 is plugged into the UPS side of the PK3000 or PK3100, and this battery has a short life cycle of 1-2 years (depending on use), the QD2040 would power off when the battery expired thus causing the site to not be available on line in Ubiquity.

TCS continues to recommend that our Front End be plugged into a surge protected circuit, so using the “surge” side of the PK3000 or PK3100 is still recommended if another surge protection device is not available.