

March 22, 2006

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Engineering Change Notice: FP060322

Product: Flash Touchpen, Intrinsic Flash Touchpen

Effective date: Immediate

Summary of change:

1. Removed DS1821 thermostat chip from location U10.
2. Upgraded firmware to allow for change 1.
3. Upgraded firmware to add new features.

Reason for change:

1. Repair line has reported failures after delivery of approximately 1 per Kunit attributable to U10. Removal is expected to improve reliability.
2. Firmware change was required for proper operation after removal of U10.
3. Customer requested features were added to firmware.

Detailed description of change:

1. DS1821 was originally included to measure temperature, as part of battery life-remaining prediction algorithm. New algorithm assumes room temperature, measures voltage numerous times over approximately 12 hours, indicates low battery if all measurements were below threshold. Any measurement above the threshold voltage resets the timer.
2. Additional tests and lockouts were added to memory write routines in order to prevent corruption of program memory if battery is allowed to expire during program/erase functions.
3. Added DS1922 and DS1923 read capability
4. Added DS1922 missioning capability.
5. Removed Mode1 routines FIND\_RECORD and FIND\_NEXT, in order to save program memory space, making room for these changes.