Converting Series 9000™ Hardware for Use with PremiSys™ Systems

Determine the type and revision of your Series 9000 hardware and follow the instructions that apply to your panel, board or card.

Rev M Panels

DANGER – Disconnect all power from the panel before replacing any chips. Be certain to remove the lithium battery from the panel. Unplug the back-up battery.

Firmware Replacement
1. Remove the Firmware EPROM chip from socket U2.
2. Hold the new EPROM chip, labeled "PREM 1-4-1 FW" so the notch in the chip is on the left.
3. Align the rightmost pair of pins on the chip with the rightmost pair of socket holes in socket U2. **There must be four open socket holes (two pairs) at the left end of the socket**.
4. Carefully press the new EPROM chip into socket U2.

Application Chip Replacement
1. Remove the App EPROM chip from socket U5.
2. Hold the new EPROM chip, labeled "PREM 1.2 App (512)" so the notch in the chip is on the left.
3. Align the notch in the chip with the notch on socket U5.
4. Carefully press the new EPROM chip into socket U5. There should be no open socket holes.

If you have a Reader Expansion Card follow the instructions on the other side titled "Reader Expansion Cards."

Rev L Panels

DANGER – Disconnect all power from the panel before replacing any chips. Be certain to remove the lithium battery from the panel. Unplug the back-up battery.

Firmware Replacement
1. Remove the Firmware EPROM chip from socket U2.
2. Hold the new EPROM chip, labeled "PREM 1-4-1 FW" so the notch in the chip is on the left.
3. Align the rightmost pair of pins on the chip with the rightmost pair of socket holes in socket U2. **There must be four open socket holes (two pairs) at the left end of the socket**.
4. Carefully press the new EPROM chip into socket U2.

Application Chip Replacement
1. Remove the App EPROM chip from socket U5.
2. Hold the new EPROM chip, labeled "PREM 1.2 App (256)" so the notch in the chip is on the left.
3. Align the notch in the chip with the notch on socket U5.
4. Carefully press the new EPROM chip into socket U5. There should be no open socket holes.

If you have a Reader Expansion Card follow the instructions on the other side titled "Reader Expansion Cards."

```
IMPORTANT!  See other side for critical
instructions to clear memory on reader
boards after you replace these chips.
See other side also to convert Reader
Expansion Cards and RI/O Boards.
```

Pre-ETL Panels ("Old-Style" Panels)

DANGER – Disconnect all power from the panel before replacing any chips. Be certain to remove the lithium battery from the panel. Unplug the back-up battery.

Firmware Replacement
1. Remove the Firmware EPROM chip from socket U4.
2. Hold the new EPROM chip, labeled "PREM 1-4-1 FW" so the notch in the chip is on the left.
3. Align the rightmost pair of pins on the chip with the rightmost pair of socket holes in socket U4. **There must be four open socket holes (two pairs) at the left end of the socket**.
4. Carefully press the new EPROM chip into socket U4.

Application Chip Replacement
1. Remove the App EPROM chip from socket U29.
2. Hold the new EPROM chip, labeled "PREM 1.2 App (256)" so the notch in the chip is on the left.
3. Align the notch in the chip with the notch on socket U29.
4. Carefully press the new EPROM chip into socket U29. There should be no open socket holes.

If you have a Reader Expansion Card follow the instructions on the other side titled "Reader Expansion Cards."

Rev K Panels:

If you must upgrade this panel contact IDenticard Tech Support @ 1-800-220-8096.

Reader Expansion Cards

> **DANGER –** Disconnect all power from the panel before replacing any chips.

Instructions to convert a reader expansion card for Rev M, L or K panels:

Identify your card by its revision code, "REV B" or "REV. 05."

- "REV B" (printed on the top left of the card)
  1. Remove the EPROM chip from socket U2.
  2. Hold the new EPROM chip, labeled "PREM 1.2 App (256)" so the notch in the chip is on its right end.
  3. Align the notch in the chip with the notch on the right end of socket U2.
  4. Carefully press the new EPROM chip into socket U2. There should be no open socket holes.

- "REV. 05" (printed on the left side of the card)
  1. Remove the EPROM chip from socket U2.
  2. Hold the new EPROM chip, labeled "PREM 1.2 App (512)" so the notch in the chip is up.
  3. Align the notch in the chip with the notch at the top of socket U2.
  4. Carefully press the new EPROM chip into socket U2. There should be no open socket holes.

Instructions to convert a reader expansion card for Pre-ETL panels ("Old-Style" panels):

1. Remove the EPROM chip from socket U12.
2. Hold the new EPROM chip, labeled "PREM 1.2 App (256)" so the notch in the chip is up.
3. Align the notch in the chip with the notch at the top of socket U12.
4. Carefully press the new EPROM chip into socket U12. There should be no open socket holes.

Clearing Memory

After you replace the chips on your Series 9000 Reader Board (Rev M, L, K and "Old-Style") and any Reader Expansion Cards, you must fully erase its memory as follows:

1. Turn **OFF** DIP switches 7, 8 and 9 (if your board has 9 switches) on switch SW2.
2. Power up the board.
3. Turn **ON** DIP switch 8.
4. Push the reset button (SW1) and wait until all eight relay LEDs on the board light up to indicate all relays are energized. Memory has been erased when all relays are energized.
5. Turn **OFF** DIP switch 8.
6. Push the reset button (SW1) and wait until all 8 relay LEDs on the board turn off to indicate all relays are de-energized. The board is now ready for normal operation with your PremiSys v1.4 system.

> **IMPORTANT!** See other side for instructions to convert Series 9000 Panels.

RI/O Boards

> **DANGER –** Disconnect all power from the board before replacing any chips. Unplug the back-up battery.

Instructions to convert an RI/O board used with Rev M, L or K panels:

Identify your RI/O board by its revision code:

- No visible Rev code:
  1. Remove the SIOP chip from socket U4.
  2. Hold the new SIOP chip, labeled "PREM SIOP (512)" so the notch in the chip is on the left.
  3. Align the notch in the chip with the notch on the left end of socket U4.
  4. Carefully press the new SIOP chip into socket U4. There should be no open socket holes.

- "Rev C" (printed on the bottom right of the board):
  Contact IDenticard Tech Support at 1-800-220-8096. Please return the chips you are replacing to IDenticard.

- "Rev D" (printed on the bottom right of the board):
  Contact IDenticard Tech Support at 1-800-220-8096. Please return the chips you are replacing to IDenticard.

Note: "Old-Style" RI/O boards cannot be used with PremiSys systems. No conversion is possible.

These instructions and all firmware and application-chip software mentioned

© 2010-2011 IDenticard Systems