

ADP1440-C06 for AXP1440

Application Note

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1 Introduction

This guide provides information of the replacement of the Alarm Display Panel (ADP) in the AXP1440 (Centellis 4440) chassis. The ADP is not a defined Field Replaceable Unit (FRU) and it is a repair part only.

Note: Only qualified repair technicians should attempt to replace the ADP.

Along with the alarms and console connectors, the ADP contains the FRU data for the chassis. Replacing it will result in the loss of data (if not previously backed up). The FRU data may be backed up on the Shelf Manager. This should be performed by a skilled operator familiar with shelf management operations.

2 Backup FRU Data for the AXP1440

From the console of the Shelf Manager (SAM), use the read command to read the FRU data area of the ADP and store it in a specified file. Perform the read on both shelf managers.

The syntax is `frudatar <IPMB address> <FRU device ID> < File name>`

```
# clia frudatar 20 1 /var/nvdata/CENT4440_ShelfFruBAK.bin
```

3 Replace the ADP

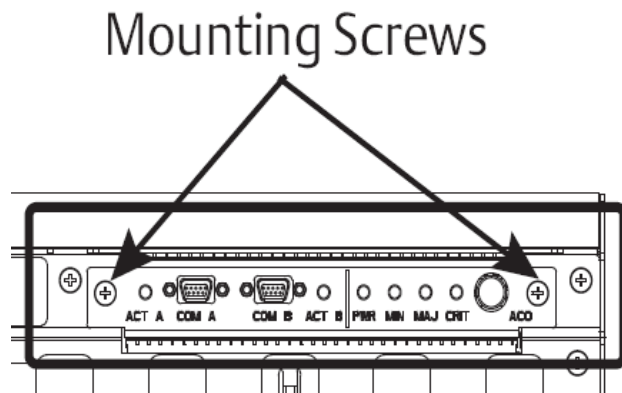
CAUTION: Ensure the power is off to the AXP1440 chassis before proceeding.

CAUTION: Follow Electrostatic Discharge (ESD) and Safety Procedures. Artesyn strongly recommends that you use an antistatic wrist strap when replacing the ADP.

Electronic components can be extremely sensitive to ESD. After removing the component from its protective wrapper or from the shelf, place the component flat on a grounded, static-free surface. Do not slide the component over any surface.

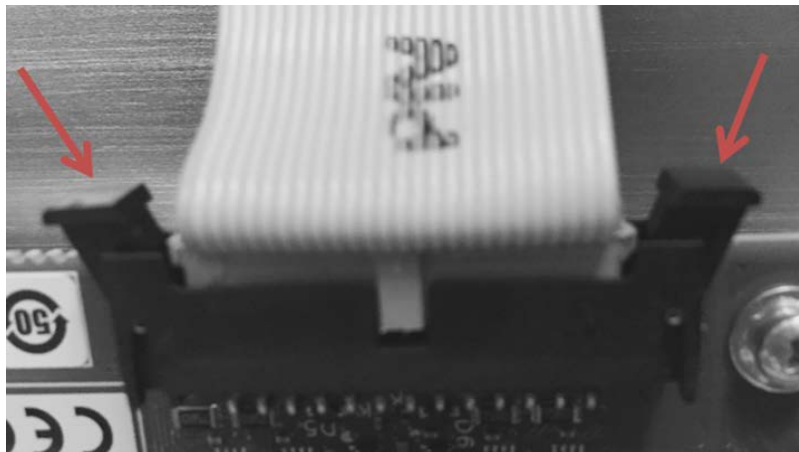
Remove the two mounting screws that hold the ADP in place. Be careful while removing the screws as they are short and not captive.

Figure 1 Mounting Screws



Gently pull the panel forward to expose the connector on the ribbon cable. There are levers on the sides of the connector. Push the levers to extract the ribbon cable.

Figure 2 Ribbon Cable Connector with Levers



To replace the ADP, align the ribbon cable connectors and press into place. Then replace the ADP in the slot in the chassis and use the included mounting screws to fasten the ADP in place.

The chassis may now be powered up.

Note: The payload blades and fan trays will not go active until steps 4 and 5 are completed.

4 Restore FRU Data for the AXP1440

From each shelf manager's console, execute the following write commands to restore the FRU data from the backup.

The syntax is `cli fruataw <IPMB address> <FRU device ID> < File name>`

```
# cli fruataw 20 1 /var/nvdata/CENT4440_ShelfFruBAK.bin
```

```
# clia frudataw 20 2 /var/nvdata/CENT4440_ShelfFruBAK.bin
# reboot
```

5 Instantiating Restored FRU Data

Power cycle the chassis or reboot both shelf managers to active the restored FRU data. Once the system restarts, the payload boards and fan trays will transition to the active state.