1. Installing the AC Cord Retaining Clip

Secure the AC cord with the supplied ladder strap/retaining clip assembly to prevent accidental disconnection from the USF-212S.

1) Wrap the retaining clip around the AC cord. (with the anchor of the ladder strap toward the unit.)
2) Insert the anchor into the hole next to the AC IN socket.
3) Lightly fasten the clip around the AC cord.
4) Plug in the power cord.
5) Slide the clip on the ladder strap toward the plug.
6) Fasten the clip tightly.
7) Gently pull on the AC cord to ensure it is secured.

2. Opening the Front Panel

The front panel may be difficult to open if the USF frame is placed on a desk, and may be damaged if forced to open. Perform the following steps after setting the frame in a rack.

1) Loosen the two thumbscrews of the front panel by turning them counterclockwise.
2) Pull out the front panel grasping the thumbscrews. Cooling fans stop while the front panel is open.

An OPEN alarm sounds intermittently, every 30 seconds, when the front panel is opened. After 5 minutes, the alarm will sound continuously until the front panel is closed. In case the power is on, complete the procedure in a short period of time.

3. Front Interior

The slot configuration as shown below is revealed when the front panel is removed.

4. USF Module Installation

USF Modules can be installed into any free slot. If multiple free slots exist, do not install modules side-by-side but leave slots open to prevent overheating and facilitate signal connection from the rear panel. The procedure for installing the USF module in Slot 1 is described below as an example.

For details on module operation, refer to the respective operation manuals.
Installation Slots for Front and Rear Modules

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Front: 1 slot (All slots)</th>
<th>Rear: 1 slot (All slots)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modules:</td>
<td>105SADA 402ADAC</td>
<td>105SADA 1013MUX</td>
</tr>
<tr>
<td></td>
<td>1040VEA 1053DDA</td>
<td>1040VEA 1013DEMUX</td>
</tr>
<tr>
<td></td>
<td>204ADAC 1043FS</td>
<td>204ADAC 1043FS</td>
</tr>
<tr>
<td></td>
<td>Available modules:</td>
<td></td>
</tr>
</tbody>
</table>

**Type 2**

| Front: 1 slot (Slot 2 and slot 4 only) | Rear: 2 slot (Upper and lower) |

<table>
<thead>
<tr>
<th>Modules:</th>
<th>SLOT 1</th>
<th>SLOT 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1100VEA</td>
<td>2 Slot</td>
<td>4 Slot</td>
</tr>
<tr>
<td>1044UDC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE**
- USF Modules come as front and rear sets. Be sure to install set modules into the same (front and rear) slot locations.
- Make sure to install the rear module first, then install the front module.
- Install blank panels over free slots to prevent foreign material from entering and overheating the chassis.

**IMPORTANT**
- Beware of the occurrence of electrical breakdown in USF Modules.
- Wear an antistatic wrist strap or equivalent to equalize the electrical potential of the USF-105S unit and the worker’s body.
- Do not touch the PCB wiring or parts legs directly with your fingers while working.
- Each USF Module can be installed and uninstalled while the power is on in case of emergency. Shut down the power for non-emergency work.
- When front module is being installed / uninstalled while the power is on, the front panel is in open state. The fan will stop during the procedure, so it is essential to complete the installation within a short period and to close the front panel immediately.
- Be sure to shut down the power to install and uninstall a control module.

5. Connecting USF-105S to a PC

When USF-105S is network connected via network to a PC, operation can be monitored on Web/SNMP manager using a web browser, and GPIO alarm setting can be entered. There are two ways to connect USF-105S to a PC: using LAN A or LAN 1 port. Select a suitable port in accordance with system configuration.

**LAN A port connection**

**LAN A LED**
- Green Lit: Connected
- Orange Flashing: Transmitting and receiving data

**LAN 1 port**

**LAN 1 LED**
- Green Lit: Connected
- Orange Flashing: Transmitting and receiving data

**USF-105S Rear**

- LAN A IP Address
  - Factory Setting: 172.16.0.10
- LAN 1 IP Address
  - Factory Setting: 192.168.0.10

6. Network Default Setting

Open the web browser of the PC and input address.
- Connecting to LAN A: http://172.16.0.10 (Factory Setting)
- Connecting to LAN 1: http://192.168.0.10 (Factory Setting)

A status page as shown opens on the web browser when connection is established.

**IP Address Change**

1) Click the Network tab.

2) Changing LAN A IP address:
   - Input new IP Address in the white box under WAN(LAN A) Settings.
   - Input new IP Address in the white box under LAN (LAN 1) Settings

3) A confirmation message window opens when you click Apply.
   - Click OK in the confirmation window.

4) Click Utility tab, then click Restart.
   - Click OK when the restart confirmation window opens.
   - USF-105S restarts. The new setting is reflected after the restart.

IP addresses are assigned to respective USF-105S modules installed. Refer to USF-105S operation manual Sec.10 “USF-105S Web GUI” for details on setting IP addresses.