16 Slots Plug-in Platform 161UPSC

Instruction Manual

MAW105E V4.0

Safety Precautions

Caution

- Use this product only with the specified power voltage. This may cause an unexpected accident or damage.
- Do not open the cover or modify the unit. This may cause an unexpected accident or damage.
- Do not allow water or moisture to get into the unit. This may cause an unexpected accident or damage.
- Do not use this unit in an environment with excessive moisture or dust. This may cause an unexpected accident or damage.
- Do not block the vents. This raises the internal temperature and may cause damage.
- Make sure empty and unused slots are covered when plugged in.
- Do not remove the front cover. This may cause an unexpected accident.
- Please contact your Canare dealer if this product breaks down, gets wet or operates in an abnormal manner.

Features

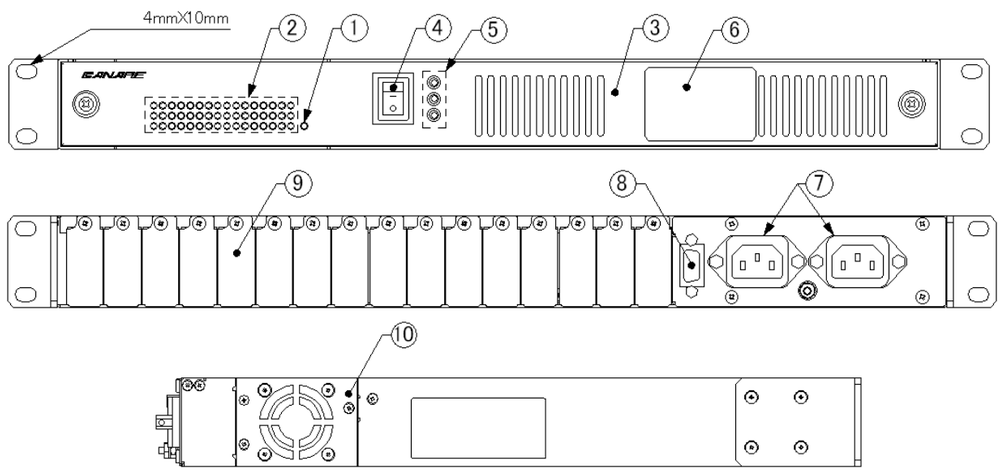
- 16 module capacity in a 1RU frame.
- Includes one power supply module as standard.
- Optional redundant power supply available.
- Front panel LEDs indicate the status of power supply modules and installed modules.
- Status information of power supply modules and plug in units can be monitored via alarm terminal.

Outline and Functions

[Front]

[Rear]

[Left side]



1 Side Mounted Fan Alarm Indicator	Red when side mounted cooling fan stops
2 Upper Row LEDs :Status Indicators Middle Row LEDs :Status Indicators Lower Row LEDs :Status Indicators	Identifications of plug in unit EO :Green OE :Yellow EE :Both Green and Yellow Signal classification HD-SDI :Green SD-SDI/DVB-ASI :Yellow LD emitting light :Green PD receiving signal or light :Yellow
3 Front Cover	
4 Power Switch	Up :Power on Down :Power off
5 Upper Row LED :Power on Indicator Middle Row LED :Low Voltage Alarm Indicator Lower Row LED :Fan Alarm Indicator	Power on :Green Power off :Lights out Abnormal voltage :Red Normal voltage :Lights out Cooling fan stops :Red Normal :Light out
6 Power Supply Side Blank Panel	A blank panel cover (When an optional redundant power supply is not present)
7 AC Inlet	Right :For standard equipped power supply module Left :For redundant power supply module.
8 Alarm Terminal	D-Sub (9pins) female connector for status information output
9 Blank Panel	A blank panel for unused slots
10 Cooling Fan	A replaceable cooling fan

Specifications

Storage temperature	-20 - 70 degrees centigrade	Maximum number of mountable modules	16
Operating temperature	-10 - 40 degrees centigrade	Dimensions	434mm (W) × 44mm (H) × 340mm (D)
AC input rating	AC100 - 240V 50/60Hz	Weight	4.5kg

Accessories

AC cord	1	Instruction manual	1
AC cord stopper	2	Rack mount instruction manual	1

Operating instructions

1. Remove the rear blank panels <9> covering the mounting slots.
2. Insert the module such as an optical converter into the mounting slot by gripping the captive screw, as shown in Figure 1
3. Align the captive screw with the corresponding screw hole in the power supply unit, and tighten securely with a phillips head screwdriver to secure the optical converter.
4. Connect the coaxial cable to the optical converter's BNC connector.
5. Referring to the Figure 2, be sure to clean the ferrule tip of the plug and the interior of the optical converter's connector. If the fiber optic connector is dirty, this may degrade the transmission and communication may be lost.
6. Connect single mode fiber optic cable with a SC connector to the optical converter by inserting the SC connector in to the SC connector of optical converter until the white line tip is hidden and becomes invisible. Connection completion is confirmed by a click sound and tactile feedback. If there is no click sound and/or tactile feedback, retry the connection. Imprecise connection may cause degradation of transmission performance.
7. Connect the AC cord to AC inlet1 <7> to supply power.
8. Set the power switch <4> to the "ON" position to supply the power to the optical converter. The upper LED <5> lights green, indicating that the system begins to work.

※When the voltage warning LED (central LED) or the fan warning LED (lower LED) turned on red, please exchange the operating power supply unit to new one immediately.
※Please refer to the manual of each optical converter.

Figure 1 Installation module

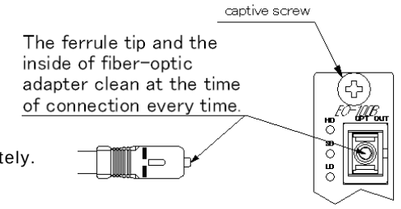


Figure 2 SC connector sections to clean

Redundant Operation

When an additional power supply module (PSM2) is installed, redundant operation is possible.
When an unexpected power supply failure happens to the current power supply module, the redundant power supply switches over automatically, having the system resume as normal.

1. Remove the two black screws on the both sides of the front cover <3>, remove the front cover.
2. Remove the blank panel <6> for the power supply module at the right hand of the front cover.
3. Remove the two screws, and remove the blank panel at the slot of the power supply module as shown in Figure 3.
4. Install the power supply module carefully to upper vacant slot, and tightening up the two screws.
5. Connect the AC cord to AC inlet2 <7>.
6. Turn on the power switch. Then the power supply module should be operating.

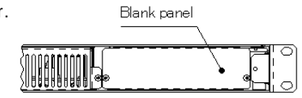


Figure 3 Location of blanc panel

Alarm terminal pin assignment

- The alarm terminal's pin assignment is as shown in Figure 4. Its output format is an open collector configuration.
  * Note, however, that only the DC alarm pin employs a mechanical contact (relay) output.
- Two sets of alarm modes are supported. Initial factory setting is mode 1.
  Select the alarm mode which you like. Set the alarm mode switch at the left hand after removing front cover <3>, as shown in Figure5

Pin No.	Name	Status	Mode 1		Mode 2	
			Normal	Abnormal	Normal	Abnormal
1	LD status	Emission status of EO module's LD	Hi	Lo	Lo	Hi
2	PD status	Receiving status of OE module's PD	Hi	Lo	Lo	Hi
3	DC alarm	DC voltage output status	Hi	Lo	Hi	Lo
4	FAN alarm	Rotation of the cooling fan	Hi	Lo	Lo	Hi
5	GND	-	-	-	-	-

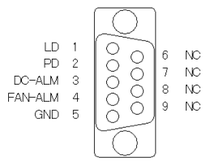


Figure 4 Alarm terminal pin assignment

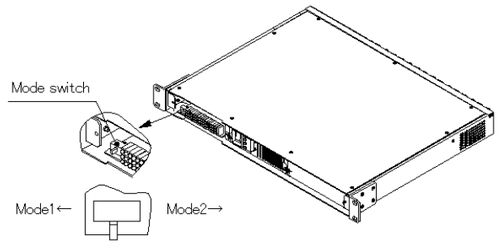


Figure 5 Mode switch of the alarm output

Canare Electric Co., Ltd. URL http://www.canare.co.jp

The exterior features and specifications in this document are subject to change due to modification without prior notice.