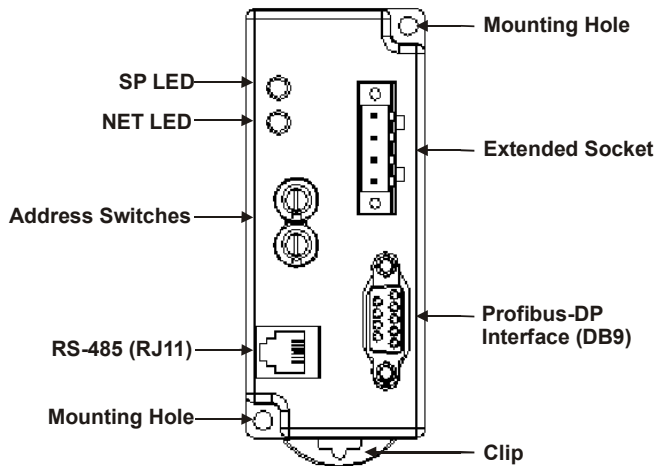


PD-01 Profibus Communication Module

Instruction Sheet

Panel Appearance:



SP LED: Indicating the connection status between AC Drives and PD-01.

NET LED: Indicating the connection status between PD-01 and PROFIBUS-DP.

Address Switches: Setting the address of PD-01 on PROFIBUS-DP network.

RS-485 Interface (RJ11): Connecting to VFD series Drives, and supply power to PD-01.

PROFIBUS-DP Interface (DB9): 9-PIN connector that connects to PROFIBUS-DP network.

Extended Socket: 4-PIN socket that connects to PROFIBUS-DP network.

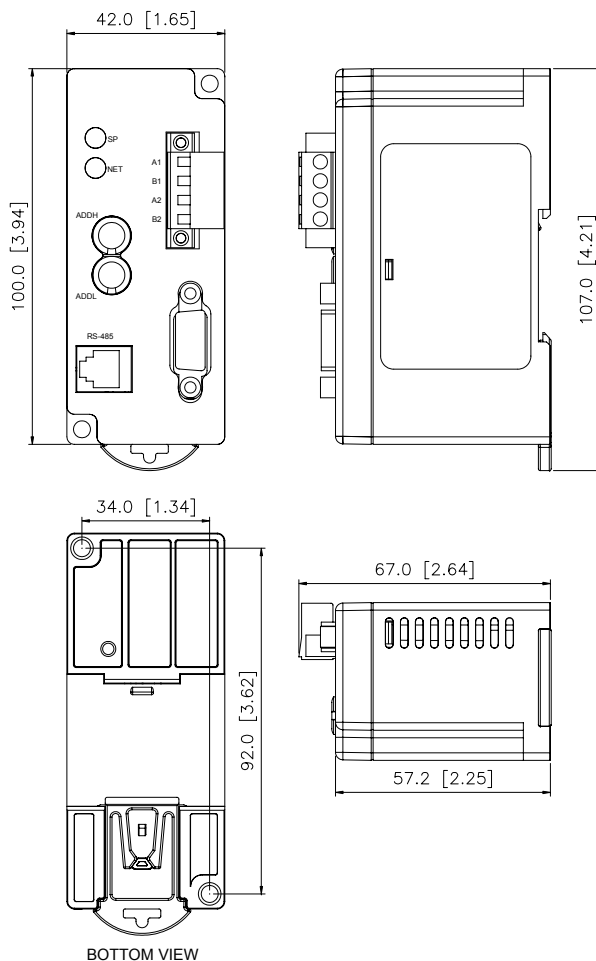
Mounting Hole: Used to mount PD-01.

Clip: Used to secure PD-01 to the DIN rail.

Applicable VFD series Drives:

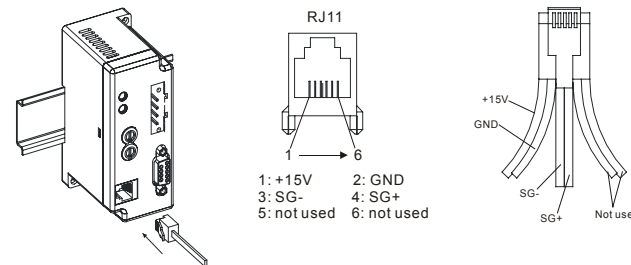
Delta AC Drive	Firmware Version
VFD-B	Version 4.00 and above
VFD-M	Version 3.00 and above
VFD-F	Version 1.09 and above
VFD-L	All Version
115V/200~400W 230V/200W~2HP	All Version
VFD-S	All Version

Dimensions:



Power Supply:

The power of PD-01 is supplied from VFD series Drive. Please connect VFD Drive to PD-01 by using 6 pins RJ-11 cable, which is packed together with PD-01. After connection completed, PD-01 is energized whenever the power applies to AC Drive.



PROFIBUS Address

PD-01 has two rotary switches for user to select PROFIBUS address. The set value via 2 address switches, ADDH and ADDL, is in HEX format. ADDH has the high 4 bits, and ADDL has the low 4 bits of PROFIBUS address.



Address	Meaning
1..0x7D	Valid PROFIBUS address
0 or 0x7E..0xFE	Invalid PROFIBUS address
0xFF	Enter TEST mode

Parameters setting in VFD series Drives

	VFD-M	VFD-B/S	VFD-F	VFD-L
Baud Rate 9600	P89=01	P09-01=1	P09-01=1	P09-01=1
RTU 8,N,2	P92=03	P09-04=3	P09-04=6	P09-04=2, P09-05=0
Freq. Source	P00=04	P02-00=4	P02-00=4	P02-00=4
Command Source	P01=03	P02-01=3	P02-01=3	P02-01=3



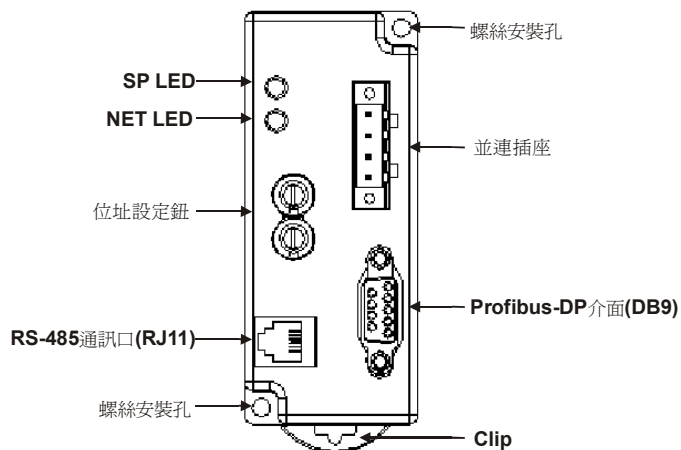
ASIA
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TAOYUAN Plant/
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ROAD,
KUEI SAN
INDUSTRIAL ZONE
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PD-01 Profibus 通訊模組安裝手冊

■ 面板外觀：



SP LED：變頻器與 PD-01 連接狀態指示

NET LED：PD-01 與 PROFIBUS-DP 連接狀態指示

位址設定鈕：設定 PD-01 在 PROFIBUS-DP 網路上的通信位址

RS-485 通訊口 (RJ11)：與 VFD 系列變頻器連接並經由此 port 提供電源給 PD-01

PROFIBUS-DP 介面 (DB9)：用於連接 PROFIBUS-DP 網路

並連插座：使用 4-PIN socket 連接 PROFIBUS-DP 網路

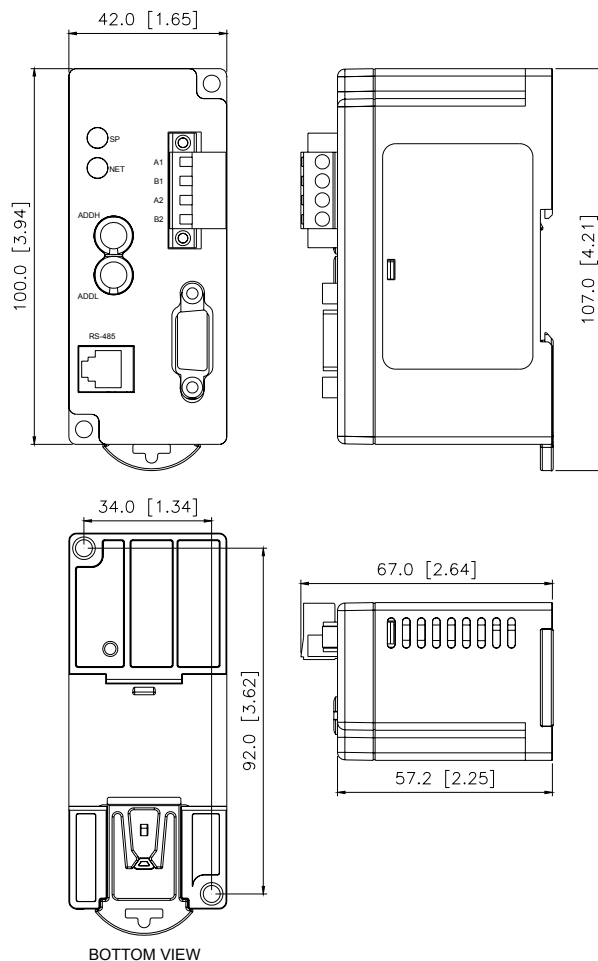
螺絲安裝孔：使用螺絲方式固定 PD-01

Clip：用於安裝 PD-01 於 DIN 鋁軌

■ PD-01 所支援之台達 VFD 系列變頻器韌體版本：

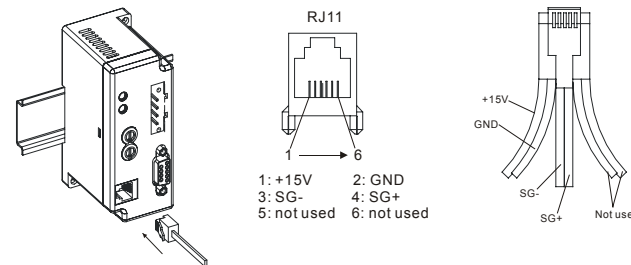
台達 VFD 系列變頻器	韌體版本
VFD-B	Version 4.00 (含)以上版本
VFD-M	Version 3.00 (含)以上版本
VFD-F	Version 1.09 (含)以上版本
VFD-L 115V/200~400W 230V/200W~2HP	所有版本
VFD-S	所有版本

■ 外觀尺寸：



■ 電源供應：

PD-01 電源由所連接之變頻器所供給，使用標準通訊傳輸線(附於包裝盒內，連接 RJ11，6pins) 連接變頻器和 PD-01，當變頻器上電後，電源即可輸入 PD-01。



■ 位址設定鈕：

PD-01 提供兩個可旋轉之位址設定鈕來設定其在 PROFIBUS-DP 網路上的通信位址。兩個旋鈕包括：ADDH 與 ADDL，ADDH 用來設定高 4 位元的通信位址，ADDL 用來設定低 4 位元的通信位址，並採用 16 進制。



通信位址	說明
1..0x7D	有效的 PROFIBUS 位址
0 或 0x7E..0xFE	無效的 PROFIBUS 位址
0xFF	台達內部測試用，一般用戶請勿設定

■ 連接變頻器之前，需要設定變頻器的通訊參數，請參考下表：

	VFD-M	VFD-B/S	VFD-F	VFD-L
Baud Rate 9600	P89=01	P09-01=1	P09-01=1	P09-01=1
RTU 8,N,2	P92=03	P09-04=3	P09-04=6	P09-04=2, P09-05=0
Freq. Source	P00=04	P02-00=4	P02-00=4	P02-00=4
Command Source	P01=03	P02-01=3	P02-01=3	P02-01=3

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