

DVP-EH

INSTRUCTION SHEET

安裝說明 安装说明

High-Speed, Multi-Function Programmable Logic Controller

- 高速度、多功能可程式控制器
高速度、多功能可編程控制器



www.delta.com.tw/industrialautomation

Specifications

Table with columns: Model, Item, and specifications for various models including Power supply voltage, Fuse capacity, Power consumption, etc.

Input Point Specification

Table with columns: Items, Spec, and Note for Input Point Specification, detailing differential and single common port inputs.

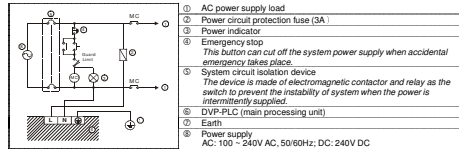
Output Point Specification

Table with columns: Items, Spec, and Note for Output Point Specification, detailing differential and single common port outputs.

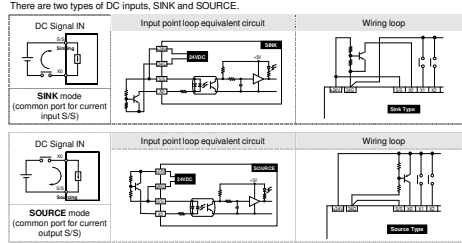
Note: Differential output points are only Y0 ~ Y3 on DVP32EH00M; other output points are for relay output.

Safety Wiring

Since a PLC controls many devices, actions of any device may affect actions of other devices, and the breakdown of any one device may cause the breakdown of the whole auto-control system and danger.

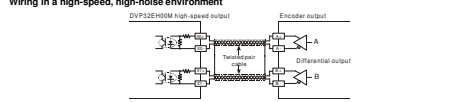


Input Point Wiring



Wiring of Differential Input

X0 ~ X1 and X4 ~ X5 of DVP32EH00M are all high-speed input circuit and others are DC24V input. The working frequency of high-speed input circuit can reach up to 200kHz and is mainly for connecting to differential (double-wire) LINE DRIVER output circuit.

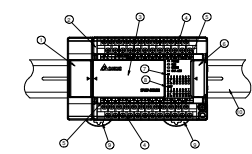


Warning

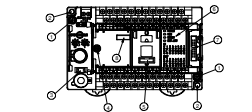
- This Instruction Sheet only provides descriptions for electrical specifications, general specifications, installation & wiring.
Do NOT connect the AC main circuit power supply to any of the input/output terminals, or it may damage the PLC.

Introduction

Product Profile & Outline



- Communication port cover
IO terminal cover
Function card/memory card cover
IO terminals
IO terminal No.



- Mounting holes
Direct mounting hole
Battery socket
Function card mounting hole

Dimension

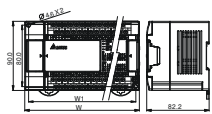
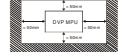


Table with columns: Model, W (mm), and H1 (mm) for various PLC models.

Installation & Wiring

3.1 PLC Mounting Arrangements and Wiring Notes

How to install DIN rail: DVP-PLC can be secured to a cabinet by using the DIN rail of 35mm in height and 7.5mm in depth.



Please install PLC in an enclosure with sufficient space around it to allow heat dissipation as shown in the figure.

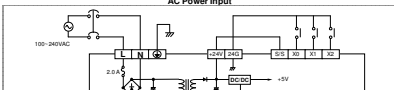
Wiring:

- 1. Use O-type or Y-type terminal. See the figure in the left hand side for its specification.
2. DO NOT wire empty terminal [ ] . DO NOT place the input signal cable and output power cable in the same wiring circuit.

3.2 Wiring Notes

Power Input Wiring

The power input of DVP-EH series is AC. When operating the PLC, please make sure that: 1. The input voltage should be current and its range should be 100 ~ 240V AC. The power should be connected to L and N terminals.



0.5A is the maximum power supply for +24V power supply output terminal. DO NOT connect other external power supplies to this terminal.

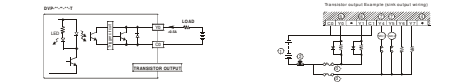
Output Point Wiring

Relay (R) contact circuit wiring



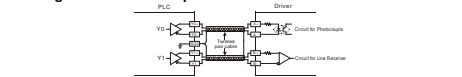
- Flywheel diode: To extend the life span of contact
Fuse: Uses 5 ~ 10A fuse as the common part of output contacts to protect the output circuit.

Transistor (T) contact circuit wiring



- DC power supply
Circuit protection fuse
Due to all outputs are Open Collectors, if Y0 is set as pulse output, the output current has to be bigger than 0.1A to ensure normal operation of the transistor module.

Wiring of Differential Output

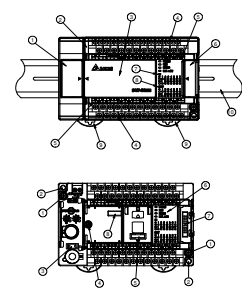


注意事項

- 本使用說明書提供電氣規格、功能規格、安裝規格等說明，其它詳細之程式設計及指令與SV系列相符合。
本機為開放型 (OPEN TYPE) 機殼，因此使用者使用本機時，必須將其安裝於具防護、防塵及免受電壓/電磁變之外於危險區域內，否則須具備防護措施。

產品簡介

產品外觀及各部介紹



- 通訊口上蓋
輸出/輸入端子蓋
功能卡/記憶卡上蓋
輸出/輸入端子
輸入輸出端子鎖
擴充機座接口上蓋

外觀及尺寸

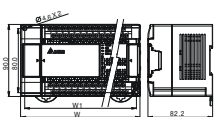


Table with columns: Model, W (mm), and H1 (mm) for various PLC models.

電氣規格

Table with columns: Item, Model, and Specification for electrical specifications including power supply, protection, and environmental requirements.

輸入點規格

Table with columns: Item, Model, and Specification for input point specifications including voltage, current, and response time.

輸出點規格

Table with columns: Item, Model, and Specification for output point specifications including switching frequency, current, and response time.

註：差動輸出僅供 DVP32EH00M 具備，且僅有 Y0 ~ Y3 具備，其它輸出均屬電壓輸出。

