



## PV035-TST

HMI System

The PV series is a low budget entry device for simple applications equipped with necessary basic functions. It is a high function but cost effective HMI which can communicate with popular of programmable controllers. With rugged plastic housing and IP65 front panel, the PV series conquers most harsh environments and meets many applications need, such as Factory Automation, Building Automation, Specified machine tools...etc

### Features

- High Quality Control and 100% Product test
- IP65F Equivalent Front Panel with Function keys
- Built-in fanless, reliable and high function RISC 32-bits CPU.
- Bundle 160x80 & 16-gray levels monochrome blue mode STN LCD with LED backlight
- Option 128KB~1MB battery backup memory for Alarm - Recipe -
- Data Recording using
- Support Multi-Languages Unicode & BMP JPG GIF graphic formats
- Provides exceptional free of charge software



## INTRODUCTION

The PV035 is a compact HMI with excellent quality and most reasonable price among all the PV series products.

It uses 32-bits high performance CPU, large size and bigger viewing angle LCD display. It's no doubt that PV035 is the best choice for your smart machines.

## SPECIFICATIONS

**CPU:** RISC 32 bit CPU

**Display Type:** Color TFT 256 colors

**Resolution:** 320x240 (3,5" diagonal)

**Backlight:** LED backlight 50,000 operation hours (room temp.: 25°C, humidity 85%RH)

**Flash Memory:** 4MB

**System Working Memory:** 1MB

**Battery Backup Memory:** 128KB ~ 1MB (Optional)

**Communication:** COM1/9pin:RS232/RS422/RS485 - COM2/Terminal 4pin:RS422/RS485

**Operation:** Touch panel

**Storage temperature:** -20~60°C

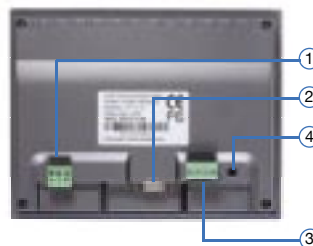
**Front Panel:** NEMA4/IP65

**Input Power:** 24VDC±10% Isolated

**Power Consumption:** 8W

## PARTS INTRODUCTION

- ① DC24V power connector
- ② Com1 (RS232/422/485) BD9\_Female
- ③ Com2 TB4 RS422/RS485
- ④ LCD contrast V.R



## ENVIRONMENTAL

**Operating Temperature:** 0° - 50°C

**Relative Humidity:** 10% - 90% RH; 0-50°C, non-condensing

**Shock (Operation):** 10 to 55Hz (X,Y,Z direction 1G 30 minutes)

**EMI:** Complies with FCC Part 15 Class B

**CE:** Complies with EN50081-2 and EN50082-2 standards

## CERTIFICATIONS

CE, FCC approved

## OUTLET DIMENSIONS

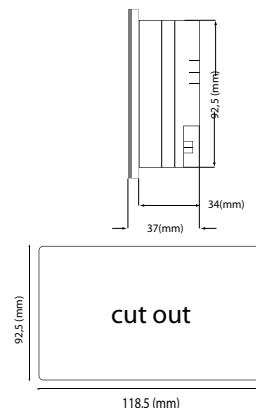
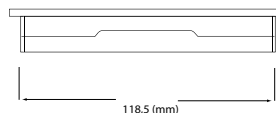
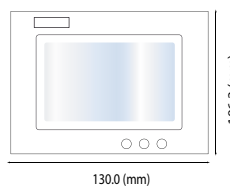
PV035-TST: 130.0 mm W x 106,2 mm H x 37 mm T

## CUTOUT DIMENSIONS

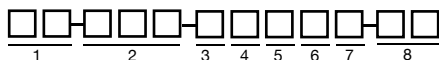
PV035-TST: 118,5 mm W x 92,5 mm H

## NET WEIGHT

PV035-TST: 0,45 Kg



## HMI SYSTEM



## ORDERING INFORMATION

- 1) Model: PV Series; RISC 32 Bit CPU
- 2) LCD size: 035 = 3,5 Inches
- 3) LCD Specification: T=TFT256 colors levels with LED backlight
- 4) CPU Board I/O Specification: S=Serial Ports : N=LAN Port
- 5) Operation Type: T=Touch Panel;
- 6) CPU Board Port Specification: 2= standard type with 2 Serial Ports
- 7) LCD Brand
- 8) Case color

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