

PTD-10

Time Distributor with DIN Rail



» Overview

PTD-10 Time Distributor can provide more output ports for time synchronization system. It support two input signals as redundancy time source and verify input signal to dispatch precise time signal via output port to more IEDs and implement time synchronization. The cable delay compensation can be set to maintain time output accuracy.

» Key Features

Maximum 2 inputs as redundancy time source for Best Time Source selection.

Maximum 16 output ports can connect more IEDs

Support BNC, Terminal, Optical interface

Support IRIG-B signal with B000, B001, B002, B003, B004, B005, B006 and B007

Cable delay compensation can be set by manual

Alarm contact indicate device status

LCD time display

» Product Specifications

>Functions

-Redundancy Time Source

PTD-10 Time Distributor can solve time redundancy input and install it before IED to verify input signal and select the best one as time source

-Physical Media Converter

PTD-10 Time Distributor can provide TTL and Fiber Optical interface converter.

-Port Capacity Expansion

PTD-10 Time Distributor can provide a flexible solution to expand more ports to connect more IEDs.

-Long Distance Transmission

PTD-10 Time Distributor can be installed the middle of time server and IED to provide long distance signal transmission.

-Time Input

Support maximum 2 input ports

BNC Interface, optional optical fiber MM interface

-Time Output

Support maximum 16 output ports

Terminal Interface, optional optical fiber MM interface

>Product Specifications

-Input Interface

TTL: 5VDC, 50Ω, BNC connector

Optical (Optional): Multi-mode, 850nm or 1310nm, ST connector

-Output Interface

TTL: Terminal connector

Optical (Optional): Multi-mode, 850nm or 1310nm, ST connector

-Display Operation Interface

LCD: 2*24 Characters, show status and make configuration

Key: 4 keys to indicate Up, Down, Enter, Esc

-LED

Power status: PSW

Alarm status: ALARM

Time input #1: S1

Time input #2: S2

Running status: RUN

-Alarm Interface

Relay: NC and NO relay alarm contact, 3-pin 5.08mm-spacing plug-in terminal block, 250 VAC Max, 3 A Max

-Maintenance Interface

Console: RS232, RJ45, one port

-Power Requirements

Power input:

100-240VAC,50/60Hz;110-220VDC(85-264VAC/85-300VDC)

24VDC(21.6-26.4VDC)

48VDC(43.2-52.8VDC)

Power terminal: 3-pin 7.62 mm-spacing plug-in terminal block

Power Consumption: <18W

-Physical Characteristics

Housing: Metal

Cooling: Natural cooling, fanless

Dimensions(WxHxD): 482.6mm×44.2mm×229mm (19×1.74×9.02 in.)

Weight: <3Kg (6.61pound)

-Environmental limits

Operating temperature: -20°C to +70°C (-4°F to 158°F)

Storage temperature: -40°C to +85°C (-40°F to 185°F)

Ambient Relative Humidity: 5% to 95% (non-condensing)

-Quality assurance

Warranty: 5 years

-Approvals

>Product Performance

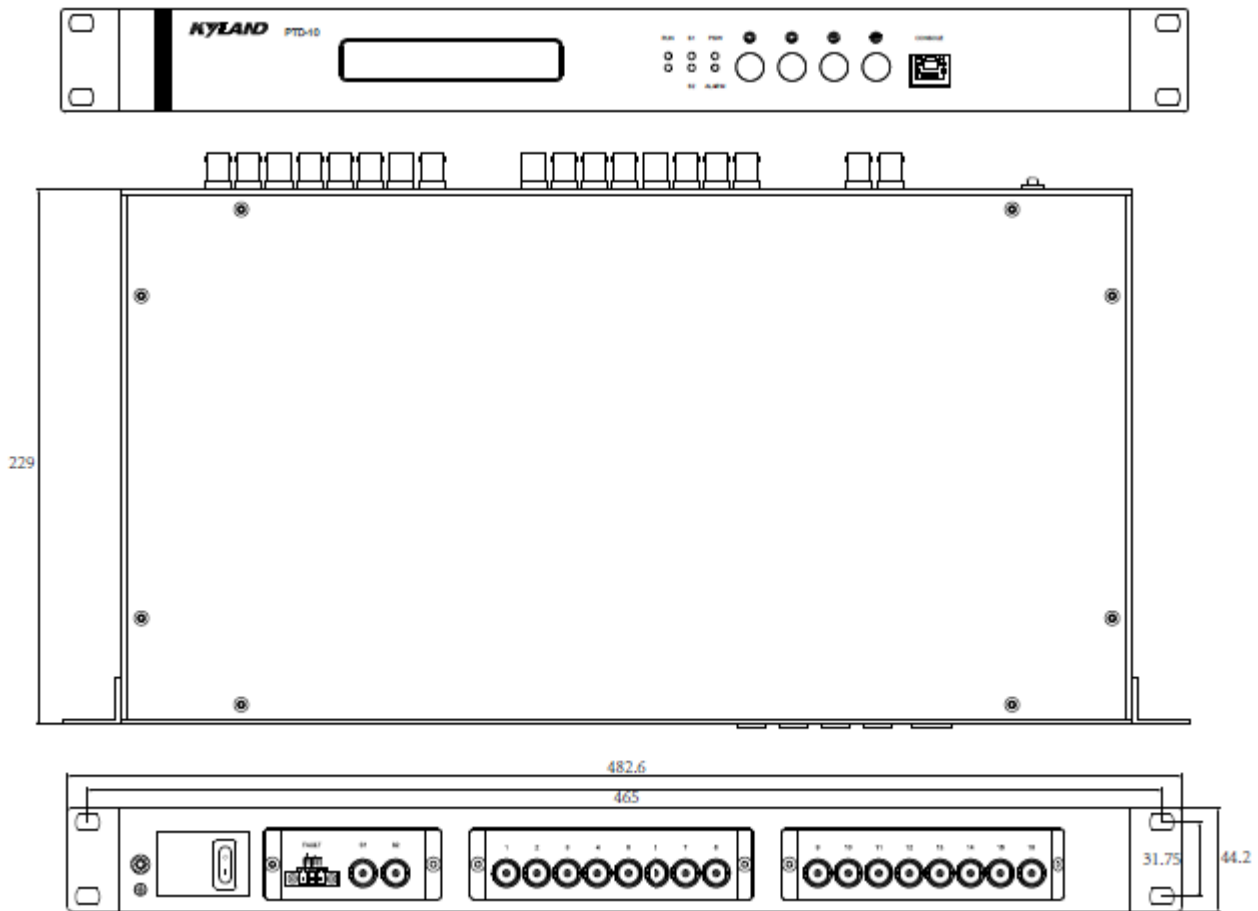
-Time Accuracy

±50ns (Input to Output)

-IRIG-B Demodulated Signal

B000,B001,B002,B003,B004,B005,B006,B007

» Mechanical Drawing



» Ordering Information

PTD-10-M-C-DD



MODEL	
FT208S	Fiber/TTL, 2 Inputs, 8 Outputs, Management
FT216S	Fiber/TTL, 2 Inputs, 16 Outputs, Management

POWER	
3	48VDC(43.2-52.8VDC) Single
5	24VDC(21.6-26.4VDC) Single
7	100-240VAC,50/60Hz;110-220VDC(85-264VAC/85-300VDC) Single
INPUT	
1	TTL BNC
2	Optical ST, MM 850nm
3	Optical ST, MM 1310nm (Customized Interface)
OUTPUT	
1	TTL Terminal
2	Optical ST, MM 850nm
3	Optical ST, MM 1310nm (Customized Interface)

	Order Information	Description
PO (DEMO)	PTD-10-FT216S-7-11	100-240VAC,50/60Hz;110-220VDC(85-264VAC/85-300VDC) Single 2 TTL BNC input ports 16 TTL Terminal output ports Management

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