

PD 663 Simple P-NET Interface Triple Speed

General information

The PD 663 Simple P-NET Interface is one of a number of standard modules within the PD 600 series range. Its main purpose is to provide a transparent high-speed link between two or more clusters of PD 6xx devices that are mounted either within the same control panel, or in different control panels within a limited area. Communication between these clusters, where each is equipped with a PD 663, takes place on RS485 P-NET at 230.4 kbits/s.

The maximum RS485 cable length is 50 meters, and **P-NET Bus Topology** must be used.

The PD 663 device performs a direct (repeater) link between an RS485 network segment and Light-Link, meaning that any modules included in the cluster will be regarded as part of the same network. In other words, no gateway function is involved.

The PD 663 is used with a **BM 010** Base Module.

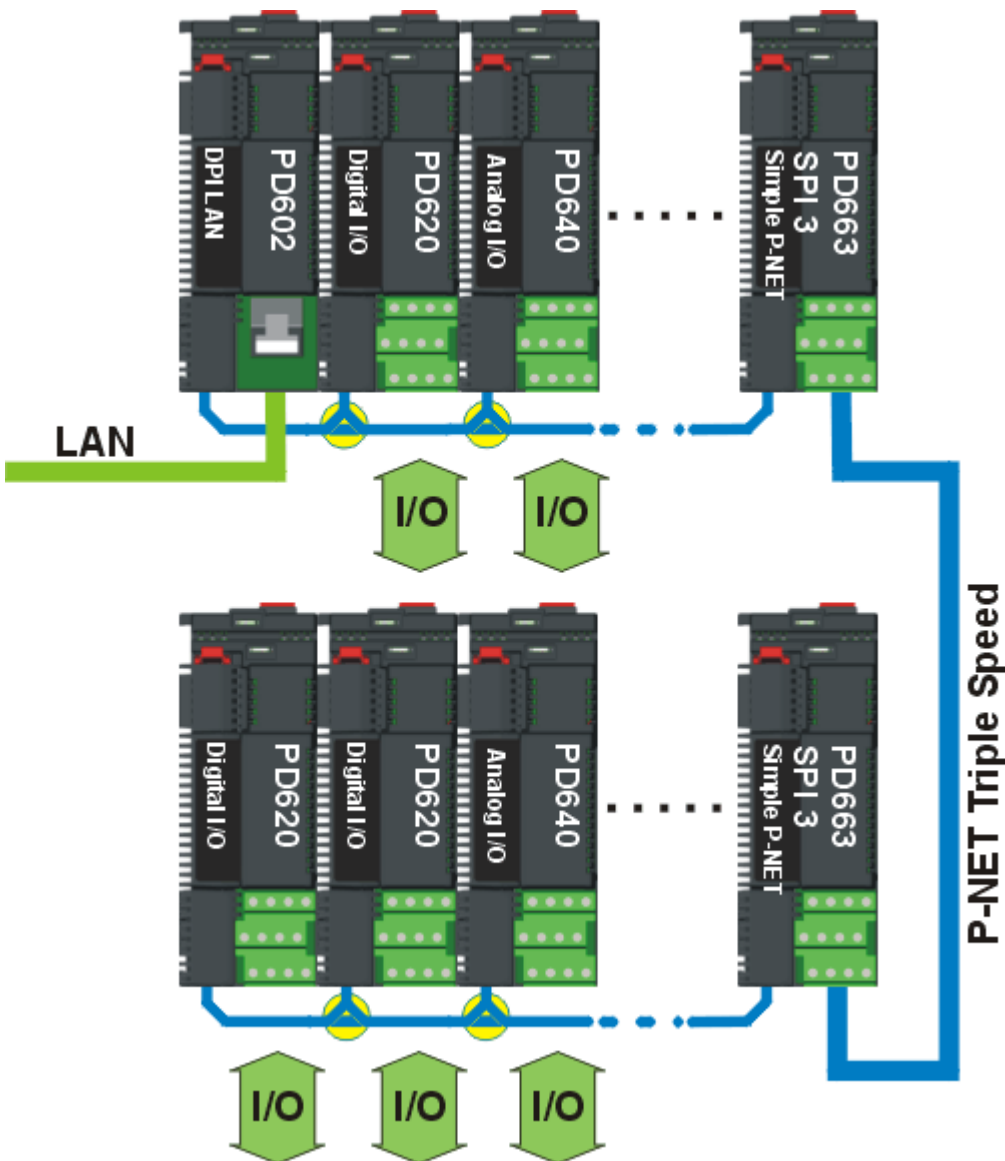
The device itself does not require any programming or configuration.

It should be noted that connecting devices other than the PD 663 type to the triple speed RS485 P-NET wire is not permitted, and that the Light-Link port on all devices on the network must be configured for 230.4 kbits/s.



Mounting position in a cluster

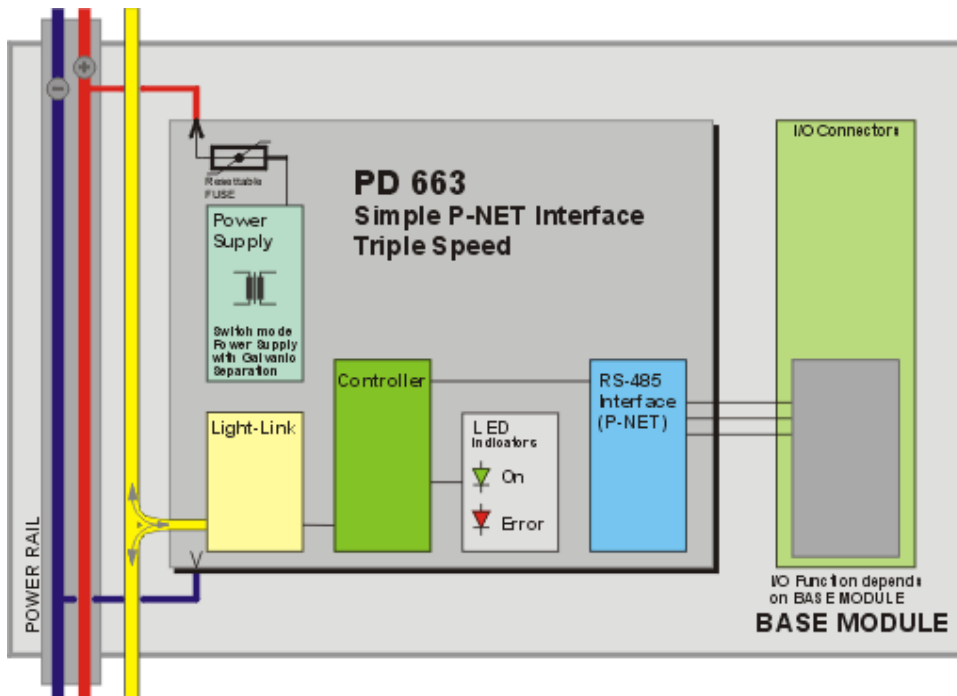
The PD 663 should always be placed as the last device at the right hand side of the cluster (when mounted on a horizontal DIN rail). Please refer to the example below:



Mounting example: To clusters interconnected via Light-Link.

PD 663 Block Schematic

The diagram shows connection possibilities for a PD 663



Specifications

Power supply

Power supply DC:	Nom.	24.0 V
	min.	18.0 V
	max.	32.0 V
Ripple:	max.	5%

RS 485 Cable length

Cable length (PD 663 to PD 663):	max.	50 m
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Power consumption @ 24Vdc

Operation:	30 mA
Current at power up:	100 mA

EMC

EN 61000-6-2, EN 61000-6-3

Vibration

Test method: IEC 60068-2-6

Frequency range:	2-100 Hz
Frequency / amplitude:	2-10 Hz : +/- 5.0 mm
	10-100 Hz: +/- 2g
Sweep rate:	Max. 1 octave/min
Number of axes:	3 mutually perpendicular

Mechanical Details

