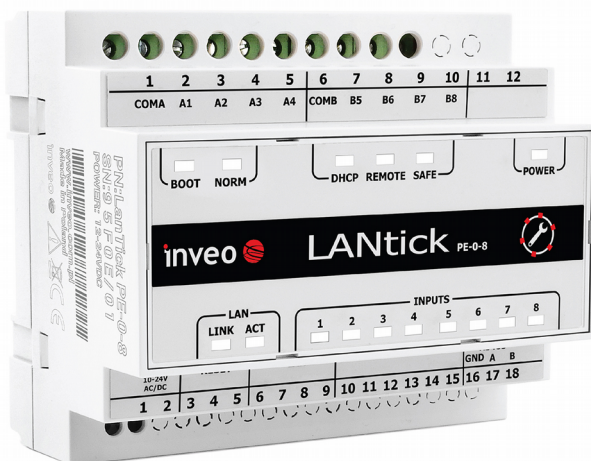


# LanTickPro

**PE-1-0, PE-0-1, PE-1-1, PE-2-2, PE-4-4, PE-8-0, PE-0-8, PE-0-16**



**General view:**



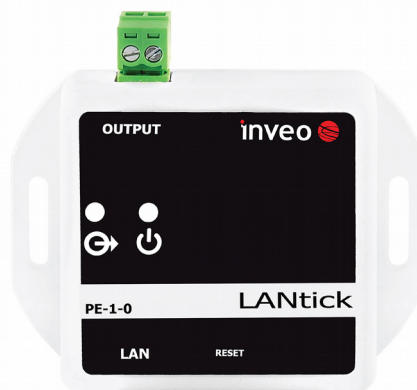
**General features:**

General description				
Version	Number of outputs	Output type	Number of inputs	Input type
PE-1-0	1	relay NO	0	N/A
PE-0-1	0	N/A	1	dry contact NO

**Indicators:**

The controller device has been fitted with LED diodes which show current status of:

The device PE-1-0, PE-0-1	
Name of the indicator	Description
POWER	The device power supply status
OUTPUT/INPUT	Output or input current status



**LED diodes of PE-1-0**

## General view



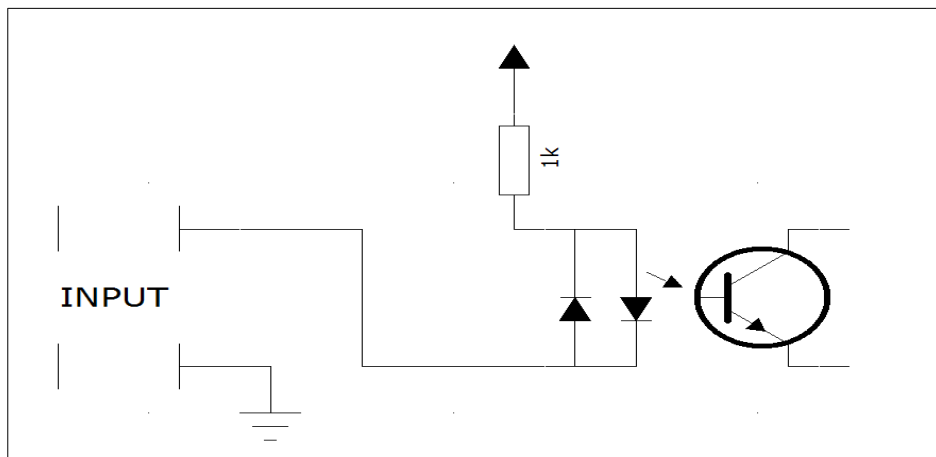
## General features:

General features				
Version	Number of outputs	Output type	Number of inputs	Input type
PE-1-1	1	relay NO	1	dry contact NO

## Indicators:

The device is fitted with display, for indication of current status of an output and an input. Inactive output channel shows up as small 'o' and inactive input channel as small 'i'. The active channels are indicated as large 'O' and 'I'.

## Input:



The LanTick-PE-1-1 has opto-isolated NO (Normally open) input.

**General view:**



**General features:**

General features				
Version	Number of outputs	Outputs type	Number of inputs	Input type
PE-2-2	2	relay NO/NC	2	dry contact NO or wet contact NO

**Indicators:**



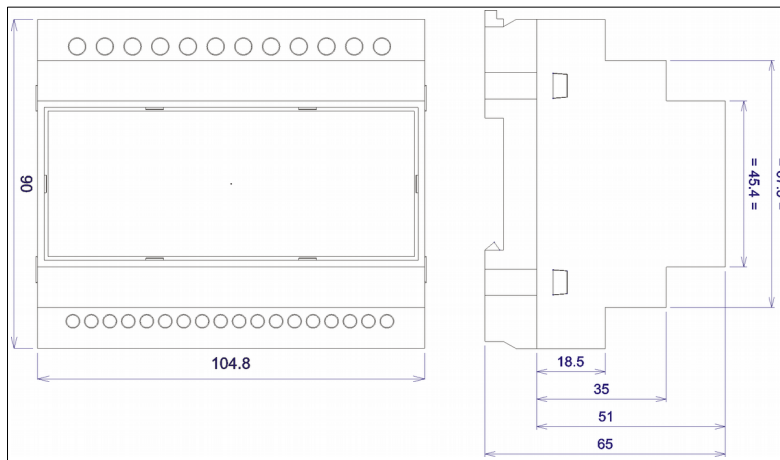
**View of LED indicators in PE-2-2**

The device is equipped with LED diodes which indicate:

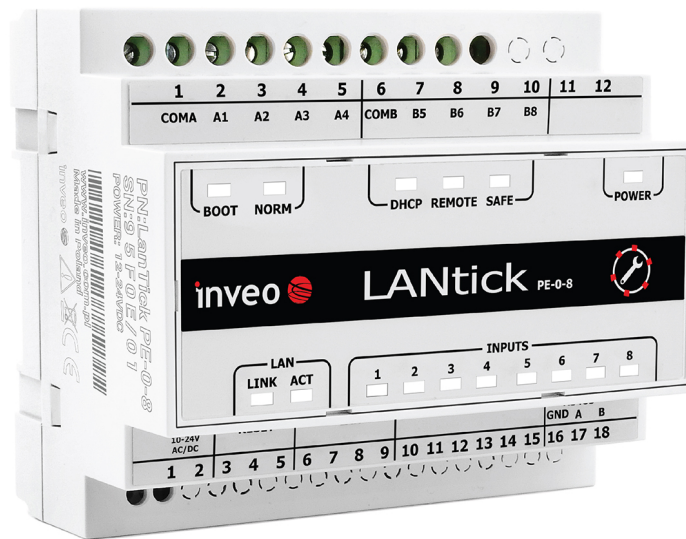
The device PE-2-2	
Name	Description
POWER	The controller device power supply status
Status 1	Output or input status setup
Status 2	Output or input status setup
LINK	active LAN status
ACK	active LAN status

**Dimensions:**

All dimension values are in millimeters.



**General view:**



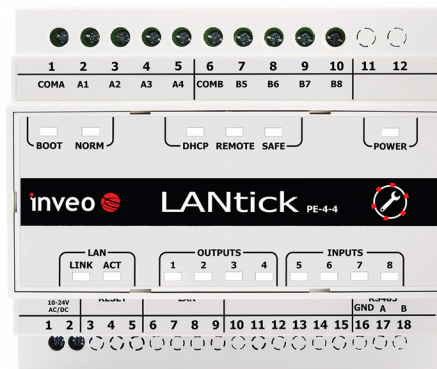
**General features:**

General features				
Version	Number of outputs	Outputs type	Number of inputs	Input type
PE-4-4	4	relay NO	4	wet contact NO
PE-8-0	8	relay NO	0	N/A
PE-0-8	0	N/A	8	wet contact NO

**LED indicators:**

The LantickPro device has been equipped with several LED indicators

Device PE-4-4	
Name	Description
POWER	Indicating power supply connected to the device
LINK	Indicating LAN connection present
ACK	Indicating LAN connection present
OUTPUTS 1	Output no 1 status
OUTPUTS 2	Output no 2 status
OUTPUTS 3	Output no 3 status
OUTPUTS 4	Output no 4 status
INPUTS 5	Input no 5 status
INPUTS 6	Input no 6 status
INPUTS 7	Input no 7 status
INPUTS 8	Input no 8 status
SAFE	MODBUS RTU communication loss indicator (optional)
REMOTE	Peer to peer or server dashboard communication indicator
DHCP	DHCP active indicator
NORM	Normal operating mode indicator
BOOT	Indicates that the device is in BOOTLOADER mode



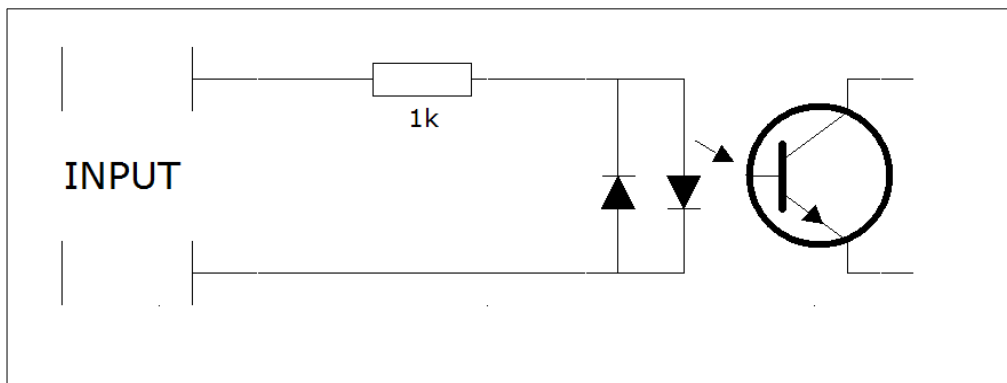
View of LED indicators on PE-8-0

Device PE-8-0	
Name	Description
POWER	Indicating power supply connected to the device
LINK	Indicating LAN connection present
ACK	Indicating LAN connection present
OUTPUTS 1	Output no 1 status
OUTPUTS 2	Output no 2 status
OUTPUTS 3	Output no 3 status
OUTPUTS 4	Output no 4 status
OUTPUTS 5	Output no 5 status
OUTPUTS 6	Output no 6 status
OUTPUTS 7	Output no 7 status
OUTPUTS 8	Output no 8 status
SAFE	MODBUS RTU communication loss indicator (optional)
REMOTE	Peer to peer or server dashboard communication indicator
DHCP	DHCP active indicator
NORM	Normal operating mode indicator
BOOT	Indicates that the device is in BOOTLOADER mode

Device PE-0-8	
Name	Description
POWER	Indicating power supply connected to the device
LINK	Indicating LAN connection present
ACK	Indicating LAN connection present
INPUTS 1	Input no 1 status
INPUTS 2	Input no 2 status
INPUTS 3	Input no 3 status
INPUTS 4	Input no 4 status
INPUTS 5	Input no 5 status
INPUTS 6	Input no 6 status
INPUTS 7	Input no 7 status
INPUTS 8	Input no 8 status
SAFE	MODBUS RTU communication loss indicator (optional)
REMOTE	Peer to peer or server dashboard communication indicator
DHCP	DHCP active indicator
NORM	Normal operating mode indicator
BOOT	Indicates that the device is in BOOTLOADER mode

**Inputs:**

Circuit diagram of the device binary input is shown below:



The diagram describes fully opto-isolated input in PE-4-4, PE-0-8. The input is designed to work at voltage of 10-24 VDC.

**Power supply terminals side in the PE-4-4, PE-8-0, PE-0-8 device**

Terminal number	Terminal name	Description
1	Power	Power supply terminal 10-24VDC
2	Power	Power supply terminal 10-24VDC
3,4	Pwr select	Selection of power supply method*
5	Reset	Reset button
8	LAN	LAN socket
16	RS485 - GND	Optional RS485 terminal
17	RS485 -A	Optional RS485 terminal
18	RS485 -B	Optional RS485 terminal

**Relays terminals side in the PE-4-4 device**

Terminal number	Terminal name	Description
1	COM A	Common for outputs number 1-4
2	A1	Output of NO relay 1
3	A2	Output of NO relay 2
4	A3	Output of NO relay 3
5	A4	Output of NO relay 4
6	COM B	Common for inputs number 5-8
7	B5	Input 5
8	B6	Input 6
9	B7	Input 7
10	B8	Input 8

**Relays terminals side in the PE-8-0 device**

Terminal number	Terminal name	Description
1	COM A	Common for outputs number 1-4
2	A1	Output of NO relay 1
3	A2	Output of NO relay 2
4	A3	Output of NO relay 3
5	A4	Output of NO relay 4
6	COM B	Common for outputs number 5-8
7	B5	Output of NO relay 5
8	B6	Output of NO relay 6
9	B7	Output of NO relay 7
10	B8	Output of NO relay 8

**Relays terminals side in the PE-0-8 device**

Terminal number	Terminal name	Description
1	COM A	Common for inputs number 1-4
2	A1	Input 1
3	A2	Input 2
4	A3	Input 3
5	A4	Input 4
6	COM B	Common for inputs number 1-4
7	B5	Input 5
8	B6	Input 6
9	B7	Input 7
10	B8	Input 8

**General view:**

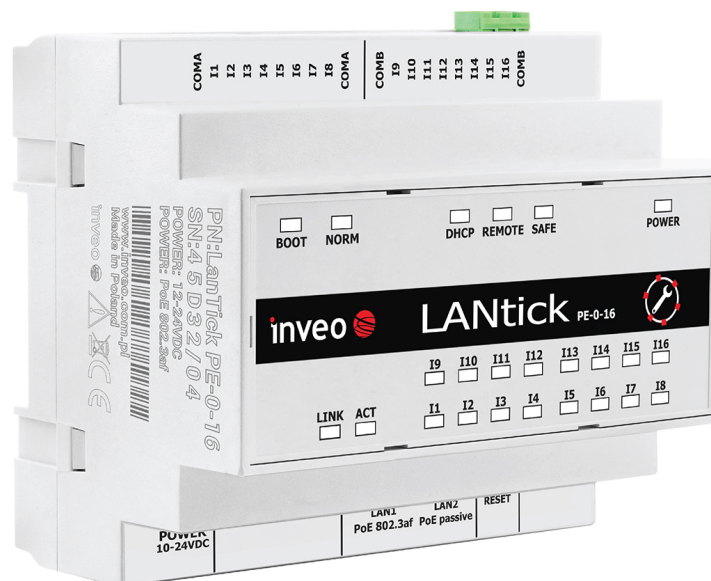


**General features:**

General features				
Version	Number of outputs	Outputs type	Number of inputs	Input type
PE-0-16	0	N/A	16	wet contact NO / dry contact NO

**LED indicators:**

The LantickPro device has been equipped with several LED indicators



Device PE-0-16	
Name	Description
POWER	Indicating power supply connected to the device
LINK	Indicating LAN connection present
ACK	Indicating LAN connection present
INPUTS 1	Input no 1 status
INPUTS x	Input no x status, x=2-16
SAFE	MODBUS RTU communication loss indicator (optional)
REMOTE	Peer to peer or server dashboard communication indicator
DHCP	DHCP active indicator
NORM	Normal operating mode indicator
BOOT	Indicates that the device is in BOOTLOADER mode

### Power supply terminals side in the PE-0-16 device

Terminal name	Description
Power	Power supply terminal 10-24VDC
LAN 1	LAN socket – PoE 802.3af
LAN 2	LAN socket – Passive PoE
Reset	Reset button

### Outputs terminals side in the PE-0-16 device

Terminal name	Description
COM A	Common for inputs no 1-8
I1	Input no 1
IX	Input no X, X=2:8
COM A	Common for inputs no 1-8
COM B	Common for inputs no 9-16
I9	Input no 9
IX	Input no X, X=10:16
COM B	Common for inputs no 9-16

### Examples of input connection

