

Over and Under Voltage Protector

Catalogue >

Reliability in Voltage Protector

Voltage Protector

LVPxxx-N1 series	01
LVPxxx-N1/1P+N	01
LVPxxx-N1/3P+N	03
LVPxxx-D1 series	05
LVPxxx-D1/1P+N	05
LVPxxx-D1/3P+N	07
LVPxxx-L1 series	09
LVPxxx-L1/1P+N	09
LVPxxx-L1/3P+N	11
LVPxxx-N2 series	13
LVPxxx-N2/1P+N	13
LVPxxx-N2/3P+N	15
LVPxxx-D2 series	17
LVPxxx-D2/1P+N	17
LVPxxx-D2/3P+N	19

Voltage Protector

LVPxxx-N1/1P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage and overcurrent
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

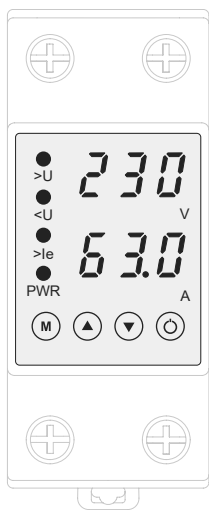
The LVPxxx-N1/1P+N is a single-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

Technical Data

LVPxxx-N1/1P+N		LVP63-N1/1P+N	LVP100-N1/1P+N
Electrical Characteristics			
Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable	Default: 100 A 1-100 A adjustable
Rated Voltage	U_n	230 V AC	
Maximum Operating Phase Voltage		330 V	
Maximum Operating Current		63 A	100 A
Rated Frequency	f_n	50/60 Hz	
Overvoltage Protection Value	$>U$	240-300 V adjustable (default: 270 V)	
Overvoltage Recovery Value		235-295 V adjustable (default: 265 V)	
Undervoltage Protection Value	$<U$	140-200 V adjustable (default: 170 V)	
Undervoltage Recovery Value		145-205 V adjustable (default: 175 V)	
Start-up Delay Time		1-300 s adjustable (default: 5 s)	
Power Recovery Delay Time		5-300 s adjustable (default: 30 s)	
Overcurrent Trip Delay Time		6 s	
Overcurrent Recovery Delay Time		30-300 s adjustable (default: 30 s)	
Self Power Consumption		≤ 2 W	
Supply Terminals		N, L	
Voltage Hysteresis		5 V	
Voltage Accuracy		$< 1\%$	
Output Contact		1NO	
Electrical Life		≥ 100000 times	
Mechanical Life		≥ 100000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		$-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$	
Permissible Relative Humidity		$\leq 85\%$	
Pollution Degree		3	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-N1/1P+N		1106314	1110014



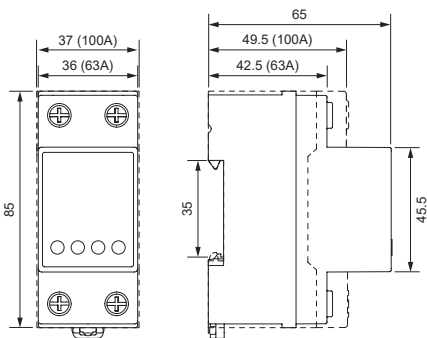
Front-Face Panel



Indicators Description	
>U	Overvoltage indicator
<U	Undervoltage indicator
>Ie	Overcurrent indicator
PWR (Power)	Normal working indicator

Symbol Description	
	Menu selection
	Digit +
	Digit -
	ON / OFF

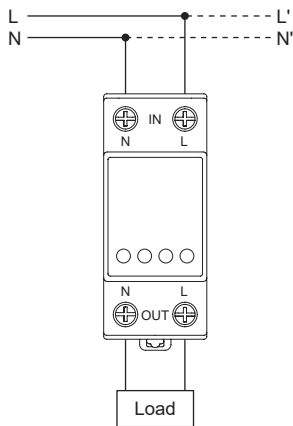
Dimensions & Packaging



[mm]

Complete Unit		
LVPxxx-N1/1P+N	LVP63-N1/1P+N	LVP100-N1/1P+N
Units per Carton	120 pcs	120 pcs
Product Weight	0.14 kg	0.17 kg
Net / Gross Weight per Carton	16.8 kg / 19.0 kg	20.4 kg / 22.6 kg
Packaging Dimensions (H x W x L)	[295 × 250 × 460 mm]	

Connection Diagram



Voltage Protector

LVPxxx-N1/3P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage and overcurrent
- SYN Synchronous mode
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

The LVPxxx-N1/3P+N is a three-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

Technical Data

LVPxxx-N1/3P+N		LVP63-N1/3P+N	LVP100-N1/3P+N
Electrical Characteristics			
Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable	Default: 100 A 1-100 A adjustable
Rated Voltage (L-N)	U_n	230 V AC	
Maximum Operating Phase Voltage		330 V	
Maximum Operating Current		63 A	100 A
Rated Frequency	f_n	50/60 Hz	
Overvoltage Protection Value (L-N)	$>U$	240-300 V adjustable (default: 270 V)	
Overvoltage Recovery Value (L-N)		235-295 V adjustable (default: 265 V)	
Undervoltage Protection Value (L-N)	$<U$	140-200 V adjustable (default: 170 V)	
Undervoltage Recovery Value (L-N)		145-205 V adjustable (default: 175 V)	
Start-up Delay Time		1-300 s adjustable (default: 5 s)	
Power Recovery Delay Time		5-300 s adjustable (default: 30 s)	
Overcurrent Trip Delay Time		6 s	
Overcurrent Recovery Delay Time		30-300 s adjustable (default: 30 s)	
Self Power Consumption		≤ 2 W	
Supply Terminals		N, L1, L2, L3	
Voltage Hysteresis		5 V	
Voltage Accuracy		$< 1\%$	
Output Contact		1NO	
Electrical Life		≥ 100000 times	
Mechanical Life		≥ 100000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		$-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$	
Permissible Relative Humidity		$\leq 85\%$	
Pollution Degree		3	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-N1/3P+N		1106334	1110034



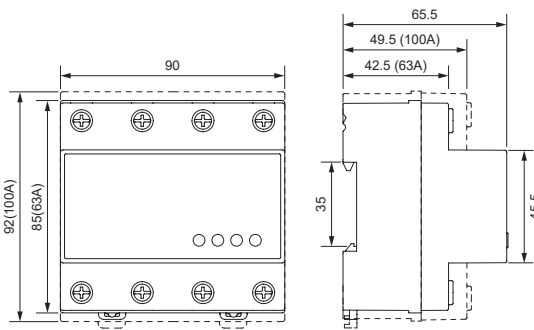
Front-Face Panel



Indicators Description	
>U	Overvoltage indicator
<U	Undervoltage indicator
>Ie	Overcurrent indicator
PWR (Power)	Normal working indicator

Symbol Description	
	Menu selection
	Digit +
	Digit -
	ON / OFF

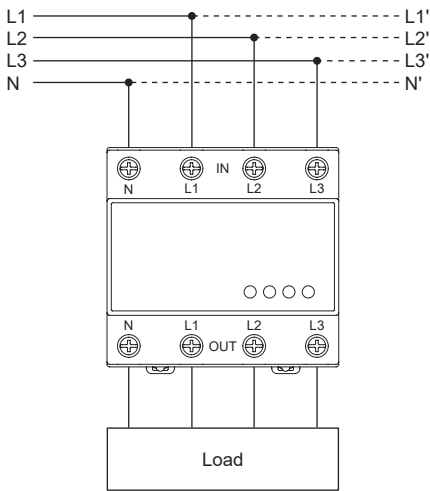
Dimensions & Packaging



[mm]

Complete Unit		
LVPxxx-N1/3P+N	LVP63-N1/3P+N	LVP100-N1/3P+N
Units per Carton	48 pcs	48 pcs
Product Weight	0.35 kg	0.41 kg
Net / Gross Weight per Carton	16.8 kg / 19.2 kg	19.9 kg / 22.3 kg
Packaging Dimensions (H x W x L)	[325 × 355 × 400 mm]	

Connection Diagram



Voltage Protector

LVPxxx-D1/1P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage and overcurrent
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

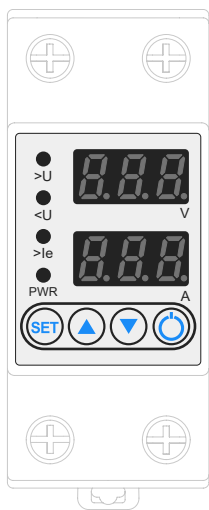
The LVPxxx-D1/1P+N is a single-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

Technical Data

LVPxxx-D1/1P+N		LVP63-D1/1P+N	LVP100-D1/1P+N
Electrical Characteristics			
Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable	Default: 100 A 1-100 A adjustable
Rated Voltage	U_n	230 V AC	
Maximum Operating Phase Voltage		330 V	
Maximum Operating Current		63 A	100 A
Rated Frequency	f_n	50/60 Hz	
Overvoltage Protection Value	$>U$	240-300 V adjustable (default: 270 V)	
Overvoltage Recovery Value		235-295 V adjustable (default: 265 V)	
Undervoltage Protection Value	$<U$	140-200 V adjustable (default: 170 V)	
Undervoltage Recovery Value		145-205 V adjustable (default: 175 V)	
Start-up Delay Time		1-300 s adjustable (default: 5 s)	
Power Recovery Delay Time		5-300 s adjustable (default: 30 s)	
Overcurrent Trip Delay Time		6 s	
Overcurrent Recovery Delay Time		30-300 s adjustable (default: 30 s)	
Self Power Consumption		≤ 2 W	
Supply Terminals		N, L	
Voltage Hysteresis		5 V	
Voltage Accuracy		$< 1\%$	
Output Contact		1NO	
Electrical Life		≥ 100000 times	
Mechanical Life		≥ 100000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		$-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$	
Permissible Relative Humidity		$\leq 85\%$	
Pollution Degree		3	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-D1/1P+N		1106313	1110013



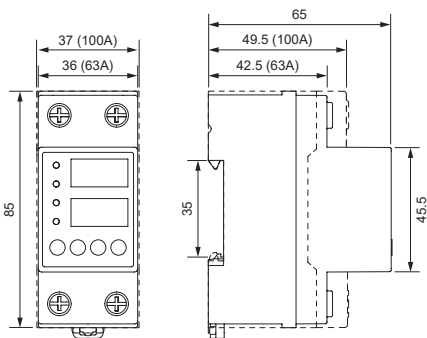
Front-Face Panel



Indicators Description	
>U	Overvoltage indicator
<U	Undervoltage indicator
>Ie	Overcurrent indicator
PWR (Power)	Normal working indicator

Symbol Description	
	Menu selection
	Digit +
	Digit -
	ON / OFF

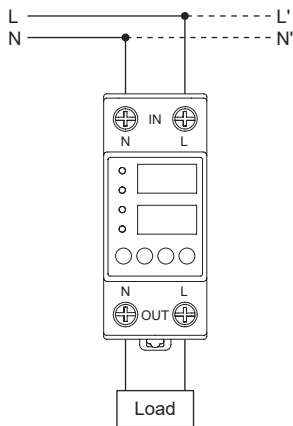
Dimensions & Packaging



[mm]

Complete Unit		
LVPxxx-D1/1P+N	LVP63-D1/1P+N	LVP100-D1/1P+N
Units per Carton	120 pcs	120 pcs
Product Weight	0.14 kg	0.17 kg
Net / Gross Weight per Carton	16.8 kg / 19.0 kg	20.4 kg / 22.6 kg
Packaging Dimensions (H x W x L)	[295 × 250 × 460 mm]	

Connection Diagram



Voltage Protector

LVPxxx-D1/3P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage and overcurrent
- SYN Synchronous mode
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

The LVPxxx-D1/3P+N is a three-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

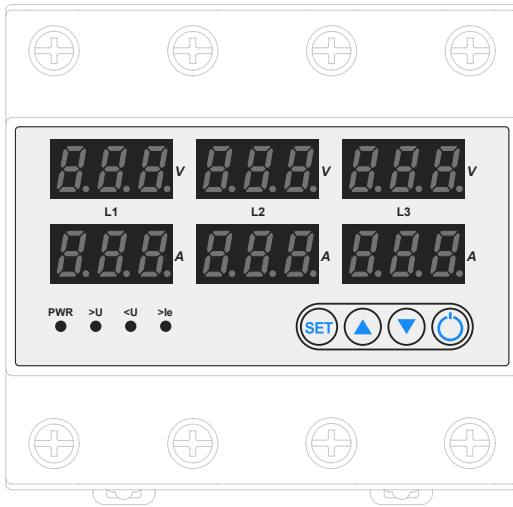
Technical Data

LVPxxx-D1/3P+N		LVP63-D1/3P+N	LVP100-D1/3P+N
Electrical Characteristics			
Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable	Default: 100 A 1-100 A adjustable
Rated Voltage (L-N)	U_n	230 V AC	
Maximum Operating Phase Voltage		330 V	
Maximum Operating Current		63 A	100 A
Rated Frequency	f_n	50/60 Hz	
Overvoltage Protection Value (L-N)	$>U$	240-300 V adjustable (default: 270 V)	
Overvoltage Recovery Value (L-N)		235-295 V adjustable (default: 265 V)	
Undervoltage Protection Value (L-N)	$<U$	140-200 V adjustable (default: 170 V)	
Undervoltage Recovery Value (L-N)		145-205 V adjustable (default: 175 V)	
Start-up Delay Time		1-300 s adjustable (default: 5 s)	
Power Recovery Delay Time		5-300 s adjustable (default: 30 s)	
Overcurrent Trip Delay Time		6 s	
Overcurrent Recovery Delay Time		30-300 s adjustable (default: 30 s)	
Self Power Consumption		≤ 2 W	
Supply Terminals		N, L1, L2, L3	
Voltage Hysteresis		5 V	
Voltage Accuracy		$< 1\%$	
Output Contact		1NO	
Electrical Life		≥ 100000 times	
Mechanical Life		≥ 100000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		$-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$	
Permissible Relative Humidity		$\leq 85\%$	
Pollution Degree		3	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-D1/3P+N		1106333	1110033



LVPxxx-D1/3P+N

Front-Face Panel



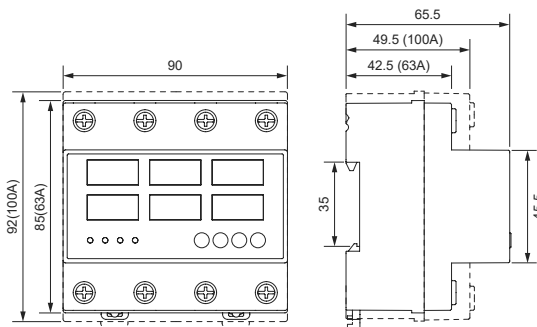
Indicators Description

>U	Overvoltage indicator
<U	Undervoltage indicator
>Ie	Overcurrent indicator
PWR (Power)	Normal working indicator

Symbol Description

	Menu selection
	Digit +
	Digit -
	ON / OFF

Dimensions & Packaging

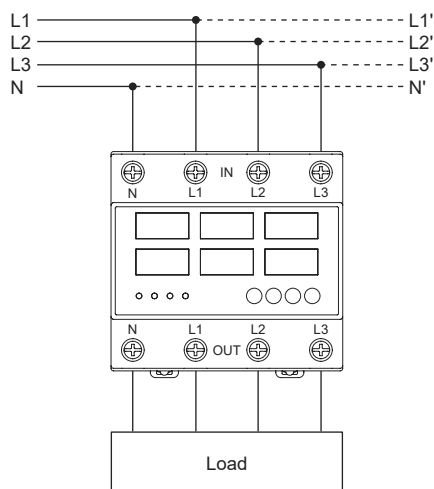


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Complete Unit

LVPxxx-D1/3P+N	LVP63-D1/3P+N	LVP100-D1/3P+N
Units per Carton	48 pcs	48 pcs
Product Weight	0.35 kg	0.41 kg
Net / Gross Weight per Carton	16.8 kg / 19.2 kg	19.9 kg / 22.3 kg
Packaging Dimensions (H x W x L)	[325 x 355 x 400 mm]	

Connection Diagram



Voltage Protector

LVPxxx-L1/1P+N

Over and Under Voltage Protector



- Microcontroller-based
- Fully automated, no manual operation required
- Protects electrical equipment against over/under voltage
- Voltage measurement accuracy 1%
- LED indicator
- DIN rail mounting

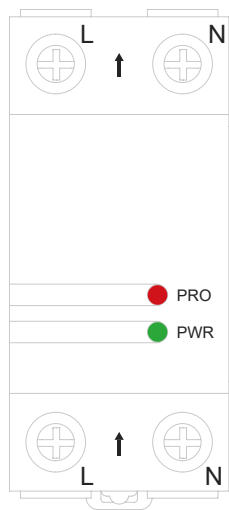
The LVPxxx-L1/1P+N is a single-phase over/under voltage protector. When the power supply is normal, the green LED indicator illuminates. If the voltage exceeds or falls below the fixed protection thresholds, the red LED will illuminate and the load will be disconnected within 1 second to protect connected equipment. Once the power supply returns to normal, the protector will automatically restore power to the load within 1 minute.

Technical Data

LVPxxx-L1/1P+N		LVP63-L1/1P+N	LVP100-L1/1P+N
Electrical Characteristics			
Rated Current	I _e	63 A	100 A
Rated Voltage	U _n	230 V AC	
Rated Frequency	f _n	50/60 Hz	
Overvoltage Protection Value	>U	275±5 V	
Overvoltage Recovery Value		240-260 V	
Undervoltage Protection Value	<U	175±5 V	
Undervoltage Recovery Value		190±5 V	
Start-up Delay Time		< 60 s	
Protection Trip Delay Time		< 1 s	
Power Recovery Delay Time		≤ 60 s	
Self Power Consumption		< 1 W	
Supply Terminals		L, N	
Voltage Hysteresis		15 V	
Voltage Accuracy		< 1%	
Output Contact		1NO	
Wiring		Bottom-in / Top-out, Live on Left, Neutral on Right (Top-in / Bottom-out, Neutral on Left, Live on Right available upon request)	
Electrical Life		≥ 6000 times	
Mechanical Life		≥ 10000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		-40 °C to +70 °C	
Permissible Relative Humidity		≤ 85%	
Pollution Degree		2	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-L1/1P+N		1106312	1110012



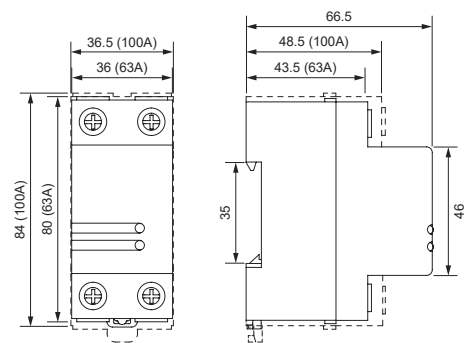
Front-Face Panel



Product Description	
L	Line Terminal
N	Neutral Terminal
PRO	Protection status indicator
PWR	Normal working indicator
↑	Current direction

Indicators Description	
	Over/undervoltage protection activated, load power disconnected
	Power supply is normal

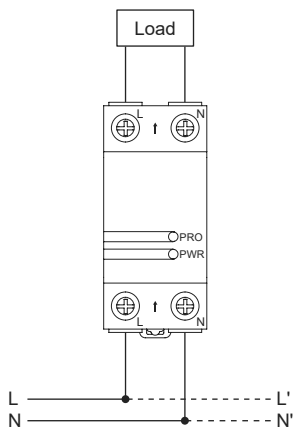
Dimensions & Packaging



[mm]

Complete Unit		
LVPxxx-L1/1P+N	LVP63-L1/1P+N	LVP100-L1/1P+N
Units per Carton	120 pcs	120 pcs
Product Weight	0.15 kg	0.15 kg
Net / Gross Weight per Carton	18 kg / 20.1 kg	18 kg / 20.1 kg
Packaging Dimensions (H x W x L)	[300 × 233 × 470 mm]	

Connection Diagram



Voltage Protector

LVPxxx-L1/3P+N

Over and Under Voltage Protector



- Microcontroller-based
- Fully automated, no manual operation required
- Protects electrical equipment against over/under voltage and phase loss
- SYN Synchronous mode
- Voltage measurement accuracy 1%
- LED indicator
- DIN rail mounting

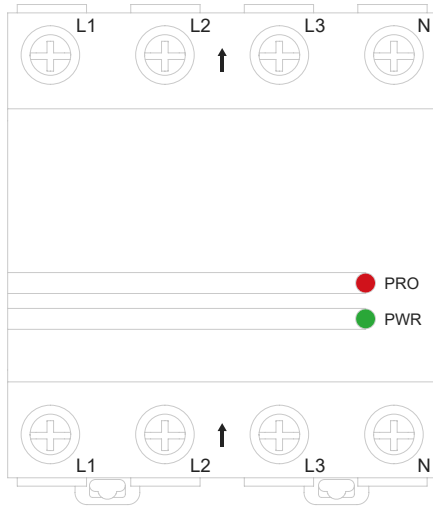
The LVPxxx-L1/3P+N is a three-phase over/under voltage protector. When the power supply is normal, the green LED indicator illuminates. If the voltage exceeds or falls below the fixed protection thresholds, the red LED will illuminate and the load will be disconnected within 1 second to protect connected equipment. Once the power supply returns to normal, the protector will automatically restore power to the load within 1 minute.

Technical Data

LVPxxx-L1/3P+N		LVP63-L1/3P+N	LVP100-L1/3P+N
Electrical Characteristics			
Rated Current	I _e	63 A	100 A
Rated Voltage (L-N)	U _n	230 V AC	
Rated Frequency	f _n	50/60 Hz	
Overvoltage Protection Value (L-N)	>U	275±5 V	
Overvoltage Recovery Value (L-N)		240-260 V	
Undervoltage Protection Value (L-N)	<U	175±5 V	
Undervoltage Recovery Value (L-N)		190±5 V	
Start-up Delay Time		< 60 s	
Protection Trip Delay Time		< 1 s	
Power Recovery Delay Time		≤ 60 s	
Self Power Consumption		< 2 W	
Supply Terminals		L1, L2, L3, N	
Voltage Hysteresis		15 V	
Voltage Accuracy		< 1%	
Output Contact		1NO	
Wiring		Bottom-in / Top-out, Live on Left, Neutral on Right (Top-in / Bottom-out, Neutral on Left, Live on Right available upon request)	
Electrical Life		≥ 6000 times	
Mechanical Life		≥ 10000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		-40 °C to +70 °C	
Permissible Relative Humidity		≤ 85%	
Pollution Degree		2	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-L1/3P+N		1106332	1110032



Front-Face Panel



Product Description

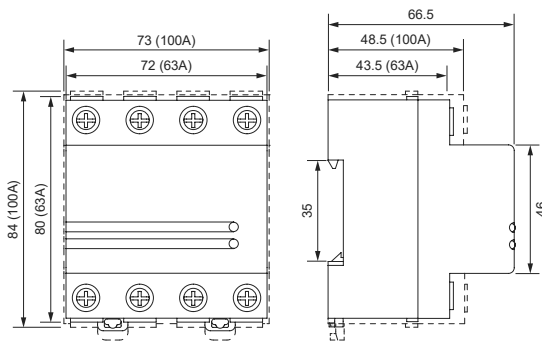
L	Line Terminal
N	Neutral Terminal
PRO	Protection status indicator
PWR	Normal working indicator
↑	Current direction

Indicators Description

	Over/undervoltage protection activated, load power disconnected
	Power supply is normal

Dimensions & Packaging

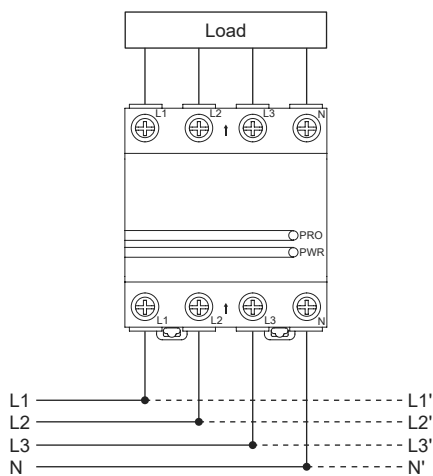
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Complete Unit

LVPxxx-L1/3P+N	LVP63-L1/3P+N	LVP100-L1/3P+N
Units per Carton	60 pcs	60 pcs
Product Weight	0.33 kg	0.39 kg
Net / Gross Weight per Carton	19.8 kg / 21.3 kg	23.6 kg / 24.1 kg
Packaging Dimensions (H x W x L)	[300 × 233 × 470 mm]	

Connection Diagram



Voltage Protector

LVPxxx-N2/1P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage, overcurrent, and incorrect phase sequence
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

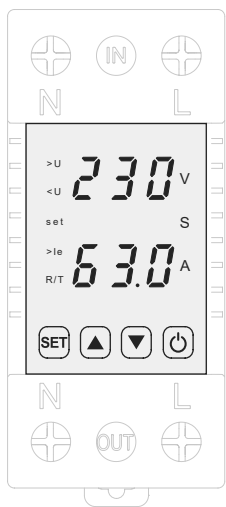
The LVPxxx-N2/1P+N is a single-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

Technical Data

LVPxxx-N2/1P+N		LVP63-N2/1P+N	LVP100-N2/1P+N
Electrical Characteristics			
Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable	Default: 100 A 1-100 A adjustable
Rated Voltage	U_n	230 V AC	
Maximum Operating Phase Voltage		350 V	
Maximum Operating Current		63 A	100 A
Rated Insulation Voltage	U_i	450 V	
Rated Frequency	f_n	50/60 Hz	
Overvoltage Protection Value	$>U$	130-300 V adjustable (default: 270 V)	
Overvoltage Recovery Value		125-295 V adjustable (default: 265 V)	
Undervoltage Protection Value	$<U$	80-210 V adjustable (default: 170 V)	
Undervoltage Recovery Value		85-215 V adjustable (default: 175 V)	
Recovery Delay Time		1-999 s adjustable (default: 30 s)	
Self Power Consumption		< 1 W	
Supply Terminals		N, L	
Voltage Hysteresis		5 V	
Voltage Trip Delay Time		0.5 s	
Voltage Accuracy		< 1%	
Output Contact		1NO	
Electrical Life		≥ 100000 times	
Mechanical Life		≥ 100000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		$-25\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$	
Permissible Relative Humidity		$\leq 50\%$ at $40\text{ }^{\circ}\text{C}$ (without condensation)	
Storage Temperature		$-25\text{ }^{\circ}\text{C}$ to $+55\text{ }^{\circ}\text{C}$	
Pollution Degree		3	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-N2/1P+N		1106311	1110011



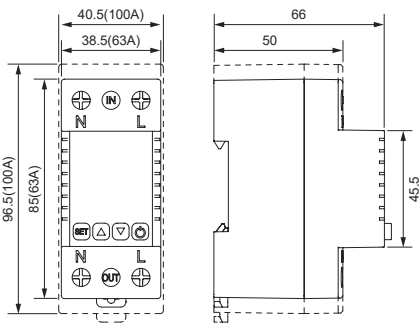
Front-Face Panel



Indicators Description	
>U	Overvoltage indicator
<U	Undervoltage indicator
>Ie	Overcurrent indicator
R/T (Power)	Normal working indicator

Symbol Description	
SET	Menu selection
▲	Digit +
▼	Digit -
⏻	ON / OFF

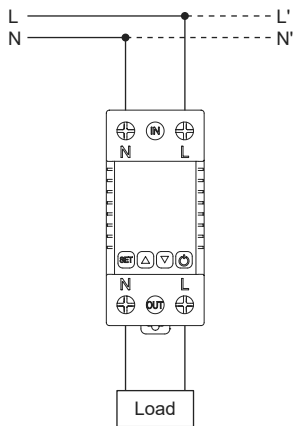
Dimensions & Packaging



[mm]

Complete Unit		
LVPxxx-N2/1P+N	LVP63-N2/1P+N	LVP100-N2/1P+N
Units per Carton	100 pcs	100 pcs
Product Weight	0.16 kg	0.21 kg
Net / Gross Weight per Carton	16 kg / 18.5 kg	21 kg / 23.5 kg
Packaging Dimensions (H x W x L)	[325 × 235 × 465 mm]	

Connection Diagram



Voltage Protector

LVPxxx-N2/3P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage, overcurrent, three-phase voltage unbalance, and incorrect phase sequence
- SYN Synchronous mode / ASY Asynchronous mode
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

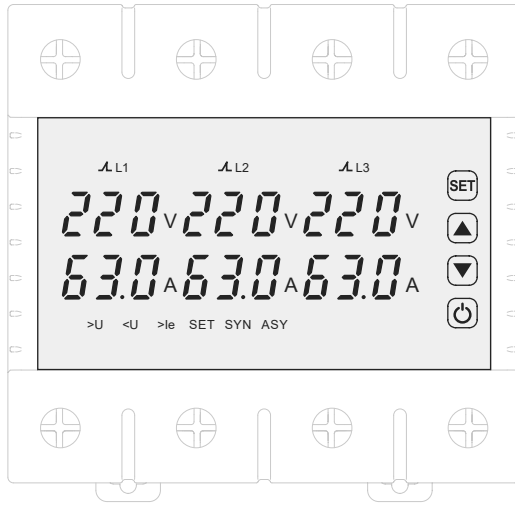
The LVPxxx-N2/3P+N is a three-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

Technical Data

LVPxxx-N2/3P+N		LVP63-N2/3P+N	LVP100-N2/3P+N
Electrical Characteristics			
Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable	Default: 100 A 1-100 A adjustable
Rated Voltage (L-N)	U_n	230 V AC	
Maximum Operating Phase Voltage		350 V	
Maximum Operating Current		63 A	100 A
Rated Insulation Voltage	U_i	450 V	
Rated Frequency	f_n	50/60 Hz	
Overvoltage Protection Value (L-N)	$>U$	130-300 V adjustable (default: 270 V)	
Overvoltage Recovery Value (L-N)		125-295 V adjustable (default: 265 V)	
Undervoltage Protection Value (L-N)	$<U$	80-210 V adjustable (default: 170 V)	
Undervoltage Recovery Value (L-N)		85-215 V adjustable (default: 175 V)	
Recovery Delay Time		1-999 s adjustable (default: 30 s)	
Self Power Consumption		< 1 W	
Supply Terminals		N, L1, L2, L3	
Voltage Hysteresis		5 V	
Voltage Trip Delay Time		0.5 s	
Three-phase Imbalance Delay Time		10 s	
Voltage Accuracy		< 1%	
Output Contact		1NO	
Electrical Life		≥ 100000 times	
Mechanical Life		≥ 100000 times	
Mechanical & Environmental			
Altitude		≤ 2000 m	
Ambient Temperature		-25 °C to +50 °C	
Permissible Relative Humidity		$\leq 50\%$ at 40 °C (without condensation)	
Storage Temperature		-25 °C to +55 °C	
Pollution Degree		3	
Degree of Protection		IP20	
Order Information			
Ordering Code			
LVPxxx-N2/3P+N		1106331	1110031



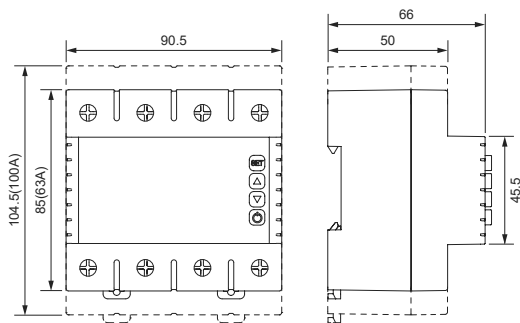
Front-Face Panel



Indicators Description	
>U	Overvoltage indicator
<U	Undervoltage indicator
>Ie	Overcurrent indicator
SET	Setting indication
SYN	Synchronous mode
ASY	Asynchronous mode

Symbol Description	
SET	Menu selection
▲	Digit +
▼	Digit -
⏻	ON / OFF

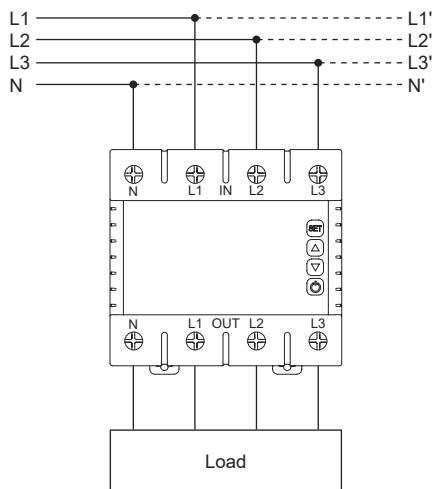
Dimensions & Packaging



[mm]

Complete Unit		
LVPxxx-N2/3P+N	LVP63-N2/3P+N	LVP100-N2/3P+N
Units per Carton	50 pcs	50 pcs
Product Weight	0.38 kg	0.5 kg
Net / Gross Weight per Carton	19 kg / 21.5 kg	25 kg / 27.5 kg
Packaging Dimensions (H x W x L)	[350 × 325 × 492 mm]	

Connection Diagram



Voltage Protector

LVP63-D2/1P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage, overcurrent, and incorrect phase sequence
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

The LVP63-D2/1P+N is a single-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

Technical Data

LVP63-D2/1P+N

LVP63-D2/1P+N

Electrical Characteristics

Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable
Rated Voltage	U_n	230 V AC
Maximum Operating Phase Voltage		350 V
Maximum Operating Current		63 A
Rated Insulation Voltage	U_i	450 V
Rated Frequency	f_n	50/60 Hz
Overvoltage Protection Value	$>U$	130-300 V adjustable (default: 270 V)
Overvoltage Recovery Value		125-295 V adjustable (default: 265 V)
Undervoltage Protection Value	$<U$	80-210 V adjustable (default: 170 V)
Undervoltage Recovery Value		85-215 V adjustable (default: 175 V)
Recovery Delay Time		1-999 s adjustable (default: 30 s)
Self Power Consumption		< 1 W
Supply Terminals		N, L
Voltage Hysteresis		5 V
Voltage Trip Delay Time		0.5 s
Voltage Accuracy		$< 1\%$
Output Contact		1NO
Electrical Life		≥ 100000 times
Mechanical Life		≥ 100000 times

Mechanical & Environmental

Altitude	≤ 2000 m
Ambient Temperature	-25 °C to +50 °C
Permissible Relative Humidity	$\leq 50\%$ at 40 °C (without condensation)
Storage Temperature	-25 °C to +55 °C
Pollution Degree	3
Degree of Protection	IP20

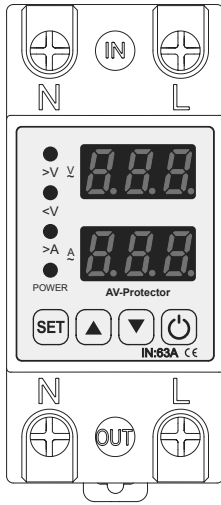
Order Information

Ordering Code	
LVP63-D2/1P+N	1106315



LVP63-D2/1P+N

Front-Face Panel



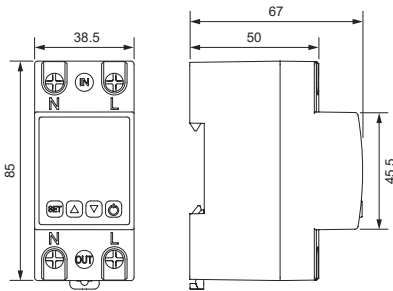
Indicators Description

>V	Overvoltage indicator
<V	Undervoltage indicator
>A	Overcurrent indicator
POWER	Normal working indicator

Symbol Description

SET	Menu selection
▲	Digit +
▼	Digit -
⏻	ON / OFF

Dimensions & Packaging

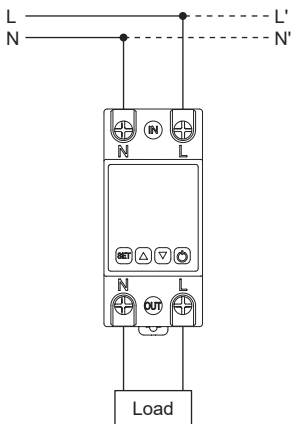


[mm]

Complete Unit

LVP63-D2/1P+N	LVP63-D2/1P+N
Units per Carton	100 pcs
Product Weight	0.16 kg
Net / Gross Weight per Carton	16 kg / 18.5 kg
Packaging Dimensions (H x W x L)	[325 x 235 x 465 mm]

Connection Diagram



Voltage Protector

LVP63-D2/3P+N

Adjustable Voltage and Current Protector



- Microcontroller-based
- Digit display for operating voltage and current value
- Protects electrical equipment against over/under voltage, overcurrent, three-phase voltage unbalance, and incorrect phase sequence
- SYN Synchronous mode / ASY Asynchronous mode
- Voltage measurement accuracy 1%
- Parameters setting by keys
- DIN rail mounting

The LVP63-D2/3P+N is a three-phase digital over/under voltage protector. The display screen provides real-time voltage and current values, and allows adjustment of overvoltage and undervoltage thresholds. When the voltage exceeds or falls below the set values, or when the current exceeds the rated limit, the device cuts off the load power supply to protect connected equipments. Once the power supply returns to normal, the protector automatically reconnects the power supply and restores power to the load.

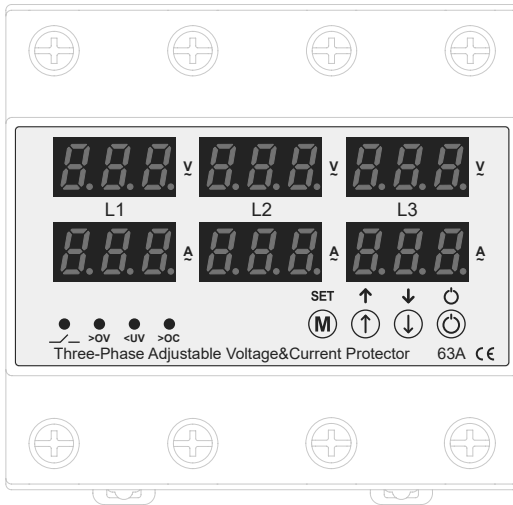
Technical Data

LVP63-D2/3P+N		LVP63-D2/3P+N
Electrical Characteristics		
Overcurrent Protection Value	$>I_e$	Default: 63 A 1-63 A adjustable
Rated Voltage (L-N)	U_n	230 V AC
Maximum Operating Phase Voltage		350 V
Maximum Operating Current		63 A
Rated Insulation Voltage	U_i	450 V
Rated Frequency	f_n	50/60 Hz
Overvoltage Protection Value (L-N)	$>U$	130-300 V adjustable (default: 270 V)
Overvoltage Recovery Value (L-N)		125-295 V adjustable (default: 265 V)
Undervoltage Protection Value (L-N)	$<U$	80-210 V adjustable (default: 170 V)
Undervoltage Recovery Value (L-N)		85-215 V adjustable (default: 175 V)
Recovery Delay Time		1-999 s adjustable (default: 30 s)
Self Power Consumption		< 1 W
Supply Terminals		N, L1, L2, L3
Voltage Hysteresis		5 V
Voltage Trip Delay Time		0.5 s
Three-phase Imbalance Delay Time		10 s
Voltage Accuracy		$< 1\%$
Output Contact		1NO
Electrical Life		≥ 100000 times
Mechanical Life		≥ 100000 times
Mechanical & Environmental		
Altitude		≤ 2000 m
Ambient Temperature		-25 °C to +50 °C
Permissible Relative Humidity		$\leq 50\%$ at 40 °C (without condensation)
Storage Temperature		-25 °C to +55 °C
Pollution Degree		3
Degree of Protection		IP20
Order Information		
Ordering Code		
LVP63-D2/3P+N		1106335



LVP63-D2/3P+N

Front-Face Panel



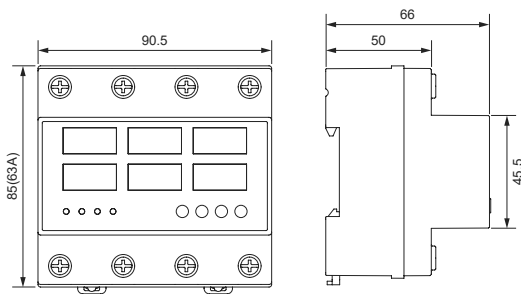
Indicators Description

>V	Overvoltage indicator
<V	Undervoltage indicator
>A	Overcurrent indicator
—/—	Normal working indicator

Symbol Description

(M)	Menu selection
↑	Digit +
↓	Digit -
⏻	ON / OFF

Dimensions & Packaging

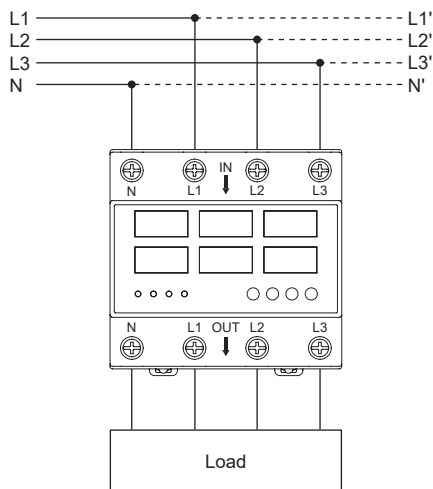


[mm]

Complete Unit

LVP63-D2/3P+N	LVP63-N2/3P+N
Units per Carton	50 pcs
Product Weight	0.38 kg
Net / Gross Weight per Carton	19 kg / 21.5 kg
Packaging Dimensions (H x W x L)	[350 × 325 × 492 mm]

Connection Diagram



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