

LERDNTM

Surge protection cabinet for power system

LDY- *** /Y series



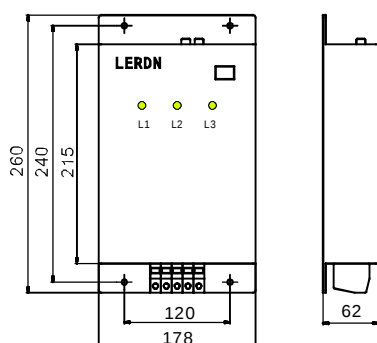
Application range

These series are applied to equipotential bonding of the low voltage main or distribution boxes in the building, providing protection against the overvoltage arising from the lightning strike to power supply or faulty operation. (option from standard IEC61643-1 and GB50343)

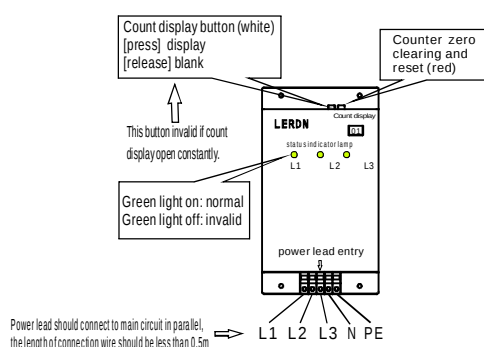
Main features

- ☆ Convenient wiring, standard connection components
- ☆ Build-in temperature control and circuit breaking technology, high security performance.
- ☆ Green light in notice window indicates normal, red indicates broken, replacement notice, which are clear and easy distinguished.
- ☆ Function of lightning count, capable of storage and display of lightning frequency.
- ☆ Display status of normal on and off
- ☆ Totally-enclosed metal shell, good shielding effectiveness, free maintenance

Appearance and installation dimension



Wiring diagram



Main technical data

Type	LDY-20C		LDY-40B	
suffix	/Y3C	/Y5C	/Y3C	/Y5C
Nominal working voltage Un V	220V	380V	220V	380V
Max. continuous AC Voltage Uc -V	385		385	
Voltage protection level Up KV	<1.8		<2.0	
Nominal discharge current In (8/20 μs) kA	20		40	
Max. Discharge current Imax (8/20 μs) kA	40		80	
Reserve protection breaker	40A / 2P	40A / 4P	63A / 2P	63A / 4P
Protection principle	2P	3P+N	2P	3P+N
Response time ns	<25			
Enclosure material	Aluminum alloy			
Cross-sectional area	≥ 10mm ² stranded / flexible			
Starting current	≥400A			
Counting range	0 - 99			
Leakage current 75% Uc 1mA	≤20 μA			

Ordering description

Type	Part No.	Remarks
LDY-20C/Y3C	082101	single phase
LDY-20C/Y5C	082102	three phase
LDY-40B/Y3C	082201	single phase
LDY-40B/Y5C	082202	three phase