

## YD30K085EH(K)

### MAIN FEATURE:

- Temperature control turn-off technology and over-current protection circuit avoid fire accident completely;
- Multi auto current-distributing tech makes it can endure lightning continuously and fit especially for high frequency lightning area;
- Low residual voltage, superior performance;
- Two colors LEDs indicate operating status syllabify and straightly ;
- Remote alert monitor function.;
- Compact form, simple installation and maintenance;
- Good technics, long life even in bad circumstance.



**YD30K085EH lightning protector for DC power supply**

### PARAMETERS

Model		<u>YD30K045EH(K)</u>	<u>YD30K085EH(K)</u>
Nominal voltage <b>Vn</b>		24V	-48V
Continuous operating voltage <b>Vc</b>		45V	-85V
Nominal discharge current <b>In</b>		15KA(8/20μs)	
Max discharge current <b>I<sub>max</sub></b>		30KA(8/20μs)	
Protection level <b>Up</b>	-48V-0V (0V-24V)	U <sub>5KA</sub> 200V (5KA 8/20 μ s) U <sub>15KA</sub> 300V (15KA 8/20 μ s)	U <sub>5KA</sub> 300V (5KA 8/20 μ s) U <sub>15KA</sub> 400V (15KA 8/20 μ s)
	0V-PE	U <sub>5KA</sub> =150V(5KA 8/20 μ s); U <sub>15KA</sub> 300V(15KA 8/20 μ s)	
Response time		25ns	
Connecting cable section area		6mm <sup>2</sup> –25mm <sup>2</sup>	
Connecting alarm cable section area		0.5mm <sup>2</sup> –1.5mm <sup>2</sup>	
Protection Way		24V-0V-PE	-48V-0V-PE
Dimensions (L x W x H )mm		90x41x58mm	
Working environments		Temperature –40 +70°C, Humidity relative 95% (25 ), Altitude 3km	
Reserve the right for technology revise			
Notices: the name No. which contain “K” is alarm connection keep opening style otherwise is alarm connection keep closing style.			

## Installation:

### 1. the installation of the SPD

Standard 35mm mount rail, install in the general power distribution cabinet.

### 2. the connection of the SPD

2.1 Single phase SPD connection way shows as figure 1, detailed connection please check attached instruction.

2.2 There is an alarm terminal on the SPD (normally it is open circuit alarm, but according to customer' s requirement, it can be set as close circuit alarm.). Connection port is on the lower part of the base plate. If long distance control needed, connect the alert device in open circuit.

2.3 When the connection finished, please check it whether it is correct and credible, after that, switch on the power, if the LED shows green color, then the alarm system is on working and the connection is correct.

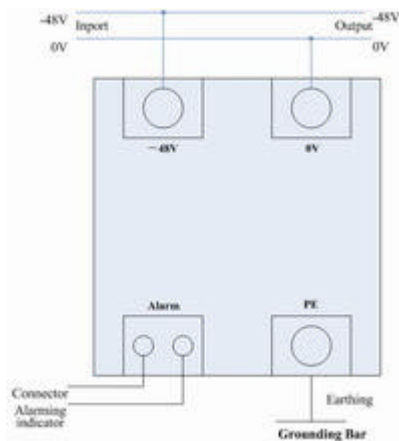


Chart 1