

通信线路防雷器使用说明书

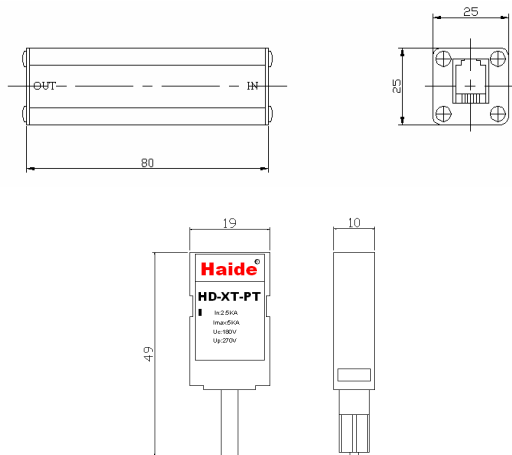
1、能及用途:

- ◇ 本产品核心部件采用进口名牌浪涌吸收器件,经严格筛选,性能优越,质量稳定,为通信线路提供高可靠的防雷防过压保障。
- ◇ 产品内置半导体浪涌吸收器件,箝位准确,残压输出极低。针对不同系统选用适当的限制电压,对设备达到最佳保护效果。
- ◇ 产品包含多级保护,级间匹配合理,既保证了足够大的通流容量,又保证了快速响应时间 ($t_a < 1ns$)。
- ◇ XC 系列产品适应设备接口或实际安装需要,接口形式可选择 RJ11、RJ45、接线端子等,保护通路可分单路、双路或多通路数,产品个数可选择单个或多个一体化封装。
- ◇ 应用于 MDF 配线架时,有专用的标准插排,内含 10 路通信线路保护,串联接法,具有双重的过压过流保护功能。

2、产品功能特点:

- ◇ 典型应用为电话机、ADSL、DDN、ISDN、传真机、调制解调器、程控交换机等。
- ◇ 采用进口元器件,插入损耗 $\leq 0.2dB$,数据传输速率 $\leq 100M$,钳位准确,残压低,响应快速,动作时间 $\leq 1ns$ 。
- ◇ 铝合金外壳,接口方式可选择,安装方便。

3、产品尺寸及安装方法:



- ✧ 远距离架空进线在进入建筑物时将零线重复接地。
- ✧ 在被保护设备的视频线路接口前端串联接入避雷器，“OUT”为设备端、“IN”为进线端。
- ✧ 将避雷器接地端与**防雷地线**（推荐接地电阻 $\leq 4\Omega$ ）作良好电气连接。接地线要求短而直。

4、 注意事项：

- ✧ 保护器的电压参数与设备工作参数不符时，可能影响线路工作，建议选型时确定设备工作电压。
- ✧ 由于保护器为串联安装，对某些功率相对较大设备，还应确定其工作电流。
- ✧ 本产品经多次过流过压冲击损坏后，故障表现为线路不通。
- ✧ 当安装完毕或系统运行过程中出现线路不通，在确定接线、接口无松动或断开情况下，应拆下避雷器，直接把外线接入设备，如恢复运行，则表示避雷器损坏；否则，应查找其他原因。

5、 技术参数：

型 号	HD-XT-DDN
标称工作电压 U_n	48V
最大持续运行电压 U_c	55V
标称放电电流 I_n (8/20 μ S)	2.5kA
最大放电电流 I_{max} (8/20 μ S)	5kA
额定负载电流	1.5A
电压保护水平 U_p (1.2/50 μ S)	220V
响应时间 t_A	$\leq 1ns$
插入损耗	$\leq 0.2dB$
插入电阻	$\leq 10\Omega$
保护线数	单路 2、3
保护等级	IP30
外形尺寸	80×25×25mm
外壳材料	屏蔽金属铝
接口方式	RJ11 端口

6、 质量认证：

- 6.1 公司通过 ISO9001 质量管理体系认证 ISO9001: 2000
- 6.2 通北京雷电防护装置检测中心检测 GB18802.21-2004
- 6.3 生产地技术监督局产品执行标准备案 Q/(GZ)HDFL1-2005

7、 声明:

本产品依据标准 IEC61643-1: 1998 及 GB18802.1-2002 制造而成, 用户可凭合格证明获得相应的维修服务。

尊敬的用户:

您好! 首先, 对您选购我们的产品表示衷心的感谢!

为了更好的服务于广大用户, 我公司现已建立一支高素质的服务队伍, 为广大用户提供周到、全面的服务。我们在公司售后服务电脑系统中建立用户信息档案, 当您的保修卡或购买凭证遗失时, 我们可通过查询用户信息档案使您一样享受应有的服务!

请您认真填写下列用户资料表格(复印无效)并在一个月内寄到:

广州市番禺区石基镇永善村步头路 4 号

广州市海德防雷科技有限公司

海德客服中心 收

邮编: 511450

有了您的支持, 我们将会做得更好!

广州市海德防雷科技有限公司

海德客服中心

为了维护您的权益，请您认真填写并寄给我们！

姓名：_____ 性别：_____

用户联系地址：_____

用户联系电话：_____

用户联系邮箱：_____

产品型号：_____ 购买日期：_____

产品编码：_____

经销商名称：_____

经销商电话：_____

经销商地址：_____

广州市海德防雷科技有限公司客服中心

技术支持热线：020-61934100、61934155

客户服务以及投诉热线：020-61934048

客户服务以及投诉邮箱：haidefanglei@126.com

广州市番禺区石基镇永善村步头路4号

邮编：511450

通信线路防雷器

使用说明书

Haide®



广州市海德防雷科技有限公司

1, Function and use

- ✧ The core of this series products adopt famous brand import absorb surge component, being strictly chosen, it has superior performance, stable quality.
- ✧ This product has semiconductor surge absorbent components inside the product, it clamps accuracy, has very low output residual voltage. aiming at difference system, choose appropriate limited voltage, make the best protection to equipments.
- ✧ This series products have several grades protection, the classes match reasonable, guarantee big enough flow capacity, and quick respond time. ($t_a < 1 \text{ ns}$).
- ✧ This series product could choose difference connector according to the equipments or physically installation. like: RJ11, connect

line port, and RS232...etc., the protection thoroughfare can divide to one way, both ways and multiway. Product number can be chosen single or integral package.

- ✧ While being applied to MDF distributing frame, there will be a special standard patch board used, which contain a 10 roads circuit protection, series connection and duplicate overflowing & over voltage protection.

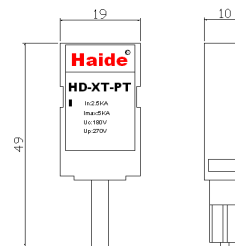
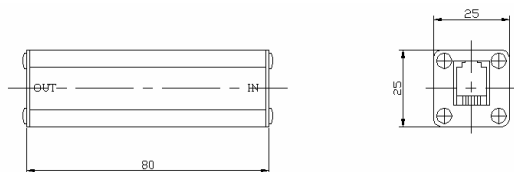
2, Product function characteristics

- ✧ Typical application: telephone, ADSL, DDN, ISDN, fax machine, modem, SPC exchange etc..
- ✧ Using import components, insert exhaust $\leq 0.2 \text{ db}$, data transmission speed rate $\leq 100 \text{ M}$, it clamps accuracy, has low output residual voltage, responds time $\leq 1 \text{ ns}$;
- ✧ Using aluminium alloy as the coating box, PC can

be chosen, easy to maintain.

- ✧ This series product is applicable to 485 data transmission, control circuit, data link, audio circuit and fire control circuit etc.;
- ✧ Use aluminum alloy as the outer shell, connector can be chosen and easy to install;
- ✧ This product use import components, accurate clamping and low output residual voltage, little insertion lose, quick respond, act ≤ 1 ns.

3, external appearance and installation method



- ✧ It is long-distance overhead cable getting into a building, connecting the zero lines double times.
- ✧ series the surge arrest device to the video interface of protected equipment, "OUT" is connect to equipment, "IN" is the Inspection hole.
- ✧ make a good conjunction of the lightning arrester earth terminal and the surge device earth wire (recommend the ground electric resistance $\leq 4 \Omega$). Make sure the grounding wire is short and straight.

4,Attentions

- ✧ If the voltage data of the surge arrester is difference with the equipments’ , it probably influences the circuit work, suggest affirming the equipments’ working voltage while choosing the module.
- ✧ Because the protection device is series to the equipment, to some power equipments, should also affirm the working electric current.
- ✧ After being surge several times, This product would be failure, failure performance is circuit impassability.
- ✧ When installation is complete or system is working, the circuit impassability, make sure connect line, connector have no looseness or the circuit break to open, should dismantle the lightning arrester, directly connect the

outside line into the equipment, if the system circulation restore, that means the lightning arrester was damaged; or else Should check and find other reasons.

5, Technical Parameters

Model	HD-XT-()
Nominal working voltage Un	48V() 68V() 180V()
Maximum continuous working voltage Uc	54V() 72V() 200V()
Nominal discharging current In (8/20μ S)	2.5KA() 5KA()
Maximum discharging current Imax(8/20μ S)	5KA() 10KA()
Rated load current IL	1.5A() 3A()
Voltage protection level Up (1.2/50μ S)	60V() 72V() 220V()
Response time tA	≤1ns
Insertion loss	≤0.2dB
Insertion resistance	≤5Ω
Number of guard wire	One channel 2、3 () multiway () one way single () ten singles ()

Protection grade	IP30
External dimension	80×25×25mm() (10\95)×49×19mm()
Sheathing material	Shielding metallic aluminium() fire proof PBT ()
Interface mode	RJ11 () plug-in type () RJ45() connection terminal()

6, Quality certificate

- 6.1 Our company has passed the certification of
ISO9001 quality management system, ISO9001:2000
- 6.2 Passed the test of Beijing Surge Arrester Testing
Center GB18802.21-2004
- 6.3 The yieldly technology supervision bureau
product Executive Standard keep on record
Q|(GZ)HDFL1-2005

7, Statement

The manufacture stand of this product is basis in
IEC61643-1:1998 and GB18802.1-2002, the customers
can acquire homologously maintain service with the

qualified proof.

Dear customer:

How are you! First of all, thanks to purchase our
products!

For the sake of better service to our customers, our
company has already established a service team of
high character, and provides thoughtful and overall
service for customers. We set up customers’
information files in the system of after-sales
service, we can search the information files to make
you similar to enjoy service that you should have,
If you lost your warranty card or purchasing
certificate!

Please fill in the following customer data
form(copying is invalid) , and send it to the
following address in a month:
Customer service center

Guangzhou haide lightning protection technology
Co.,Ltd NO. 4 Butou Road Yongshan village Shiji
town Panyu Disdric Guangzhou
Code: 511450

With your support, we can make it better!

Guangzhou haide lightning protection technology
Co.,Ltd.

In order to protect your rights, please fill in this
form seriously and send it to us.

Name: _____ Gender: _____

Customer' s address: _____

Customer' s telephone: _____

Customer' s E-mail: _____

Product model: _____ Purchase date: _____

Product coding: _____

Dealer' s name: _____

Dealer' s telephone: _____

Dealer' s address: _____

The technique supports hot-line: 020-61934100,
61934155

The customer serves hot-line: 020-61934048

The customer serves mailbox:haidefanglei@126.com

Guangzhou haide lightning protection technology

Co.,Ltd NO. 4 Butou Road Yongshan village Shiji
town Panyu Disdric Guangzhou Code: 511450

**Communication line
lightning arrester
Operating instruction**

Haide[®]



**Guangzhou Haide lightning
protection technology Co., Ltd**