

JXZ-2 系列 剪断销分路报警装置

使用说明书



哈尔滨华新电力电子设备有限公司

一、概述

JXZ-2 型剪断销信号装置用在保护线路中，作为反应水轮机剪断销折断时的信号元件。

二、工作原理

剪断销信号器分路报警装置，是供水轮机剪断销剪断报警用，当剪断销剪断时，则装置面板上对应的红色信号灯亮（多个剪断时，则多个灯亮）只要有一个剪断销剪断，就能使输出继电器两对转换触点输出信号，从而控制其它回路。该装置针对剪断销信号器的结构，分为常闭式和常开式两种，用户可根据剪断销信号器的结构自行设定或出厂设定，该装置采用贴片技术、集成化，具有功耗低，可靠性高，易维护等特点，用红色信号灯显示被剪断的剪断销，使维修者可立即找到故障点，便于维修。

三、特点

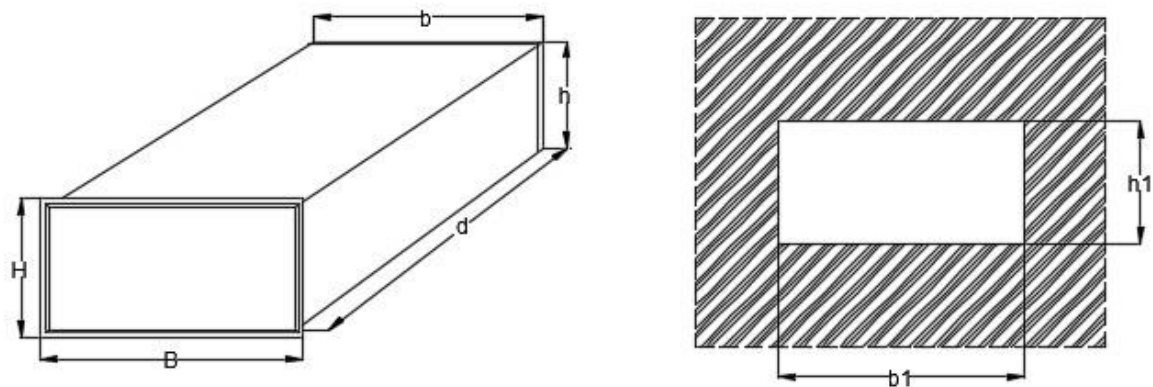
- 可直观显示第几路报警及总共报警路数
- 采用贴片技术，性能更稳定
- 常开/常闭型兼容
- 具有自检功能
- 多种工作电源选择：AC220V DC220V DC24V

四、技术参数

- 输入信号：常闭型或常开型剪断销信号器
- 输入路数可选：1—24 路、1—30 路、1—36 路
- 工作电压：AC220V DC220V DC24V
- 输出接点容量：5A/250VAC、5A/28VDC
- 功率：≤10 W

五、外形尺寸及安装：

●尺寸图表：



外形及开孔尺寸表						单位：mm	
型号及部件	B	H	b	h	d	b1	h1
JXZ-2 主机	160	85	150	75	150	151 ⁺¹ ₀	76 ⁺¹ ₀

● 接线：

1. 先将剪断销信号编号，并按其编号将剪断销信号器的一根端线相应接入对应的端子。
2. 将其余剪断销信号器的另一根端线全部并联后接入公用端。
3. 如果剪断销信号器个数不到 36 个时，则对常开式剪断销信号器，多余部分的端子可空着，对常闭式剪断销信号器，则要把不用的端子并联后接入公用端。

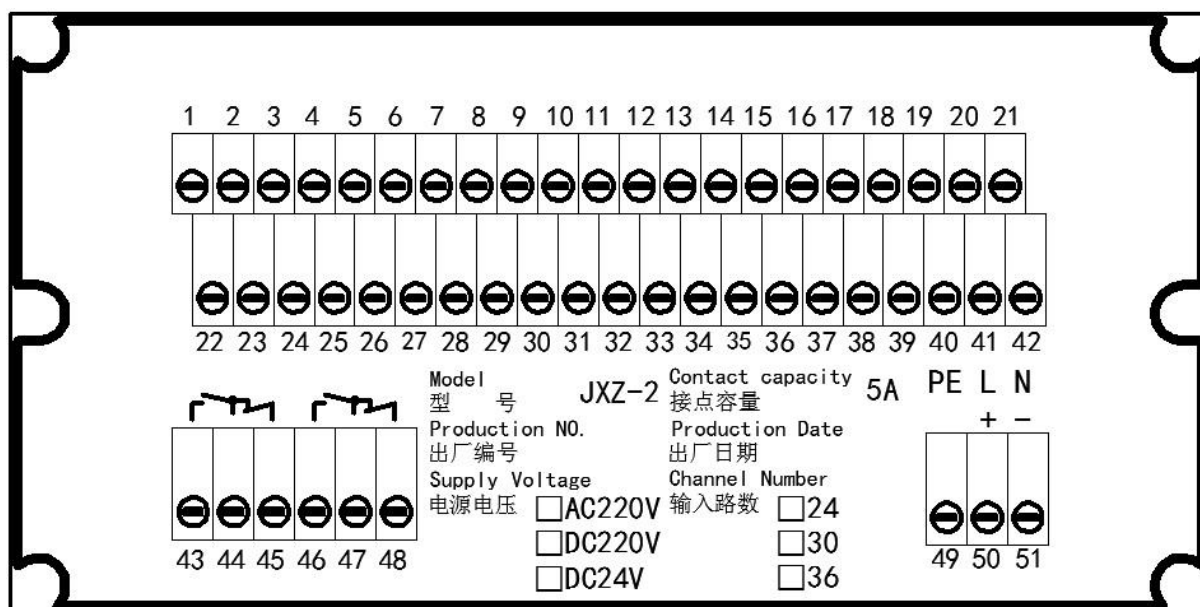
4. 接线示意图：

A、1-36 为 36 路剪断销信号输入 B、37-42 为公用端

C、43-48 为输出触点

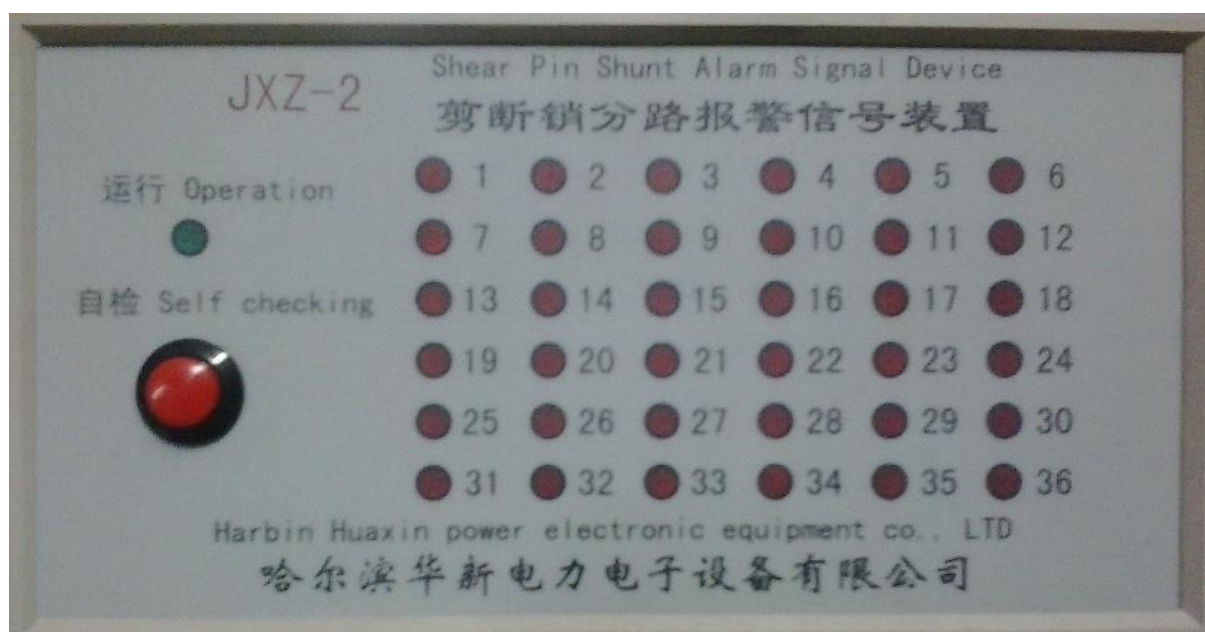
D、49 为接地端子 PE

E、50、51 为电源输入端子（AC 时为 L、N；DC 时为+、-）



● 自检：（下为前面板）

当按下前面板自检按钮，应所有信号灯亮。



请联系我们:

哈尔滨华新电力电子有限公司

地址: 黑龙江省哈尔滨市香坊区文化街副 79 号

电话: 0451-86679103 传真: 0451-86677645 邮编: 150040

开户行: 工行哈尔滨市和平支行

帐 号: 350 005 010 920 157 7442

税 号: 91230 110 672 103 766R

企业网站: www.hxdldz.cn

邮箱: hxdldz@126.com

JXZ-2 Model Shear Pin Shunt Alarm Signal Device User's Manual



Harbin HuaXin Power Electronics Equipment Co.,LTD

A、 Overview

JXZ-2 Shear pin signal annunciator can be used in the protection circuits to detect and transfer the broken signal of shear pin on a water turbine.

B、 Working Principle

Shear pin divided circuit annunciator device can detect and transfer the broken signal of shear pin on water turbine and activate the red alarm lamp on the panel. Once a shear pin break, it will enable the two contacts of output relay to send out a signal, consequently control other circuits. Users can set the contacts to normal break or normal close based on the structure of shear pin annunciators. JXZ-2 adopts advanced surface mounting technology and is a highly integrated product. The low power consumption, high reliability and easy maintenance make the JXZ-2 annunciators an excellent choice for water turbine protection.

C、 Features

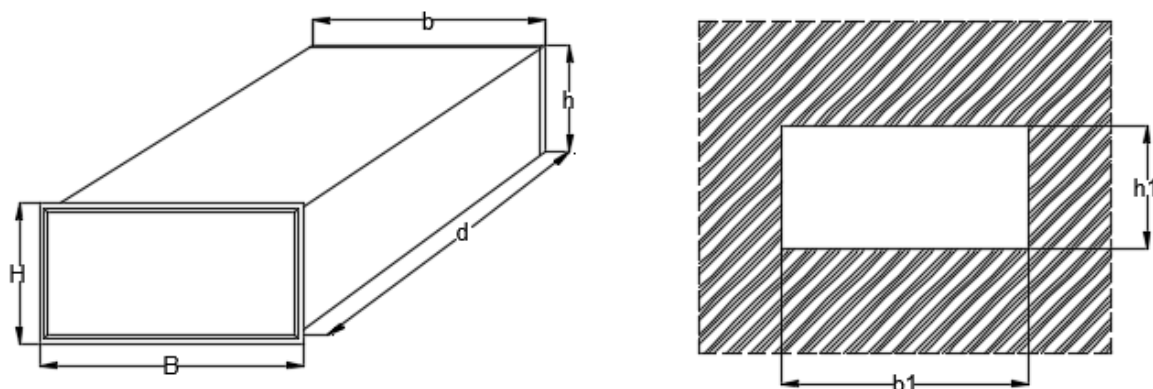
- Easy to identify the alarm circuits.
- Surface mounting technology provides high stability.
- Provides both normal open and normal close setups.
- 24 or 30 input circuits.
- Self inspecting.
- Multiple working current selections including AC220V DC220V DC24V

D、 Technical Parameter

- Signal Input: Normal open or normal close shear pin indicator.
- Input circuit No.: 1-30 circuits.
- Working current: AC220V DC220V DC24V
- Output contact capacity: 5A/250V AC,5A/30V DC
- Power: ≤ 10 W

E、 Outline dimensions and installation:

- Dimensional chart:



List of dimensions and opening						Unit: mm	
Model and parts	B	H	b	h	d	b1	h1
JXZ-2 Host	160	85	150	75	150	151^{+1}_0	76^{+1}_0

- Connection:

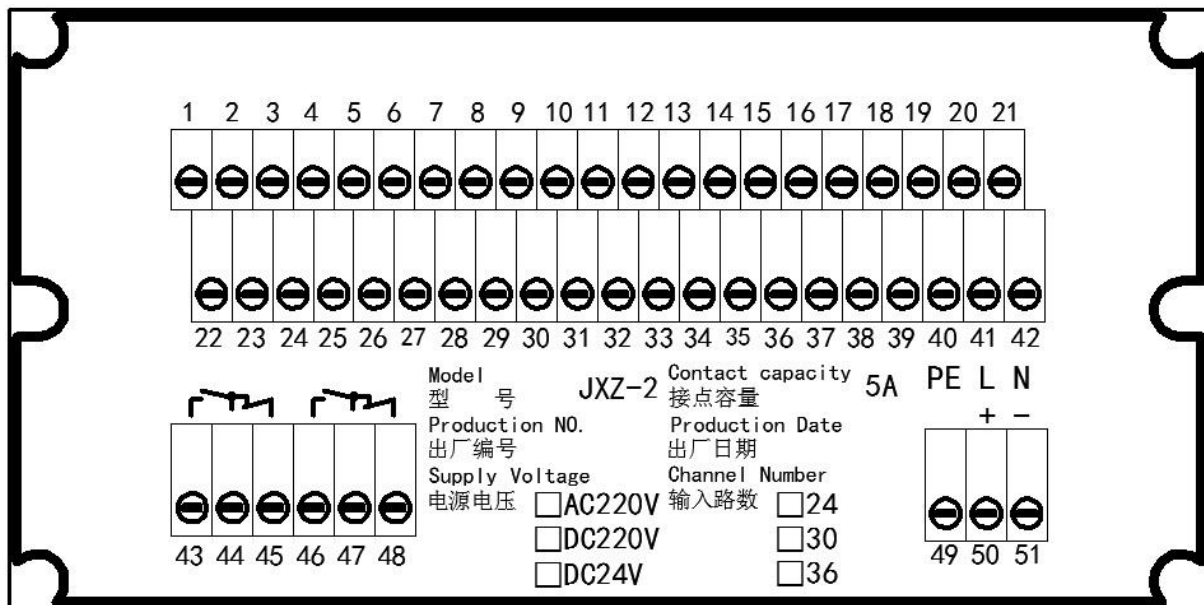
1. Number the shear pins signal cables and connect the other end to correspondence terminals.
2. Connect all spare cables to 31# common terminal.
3. If the total number of shear pin signals is less than 30, for normal close type the spare shear pin cables should be connected to the common terminal, but it's not necessary for normal open type.

4. Connection Sketch

A. 1-36 are signal input terminals B. 37-42 is common terminal

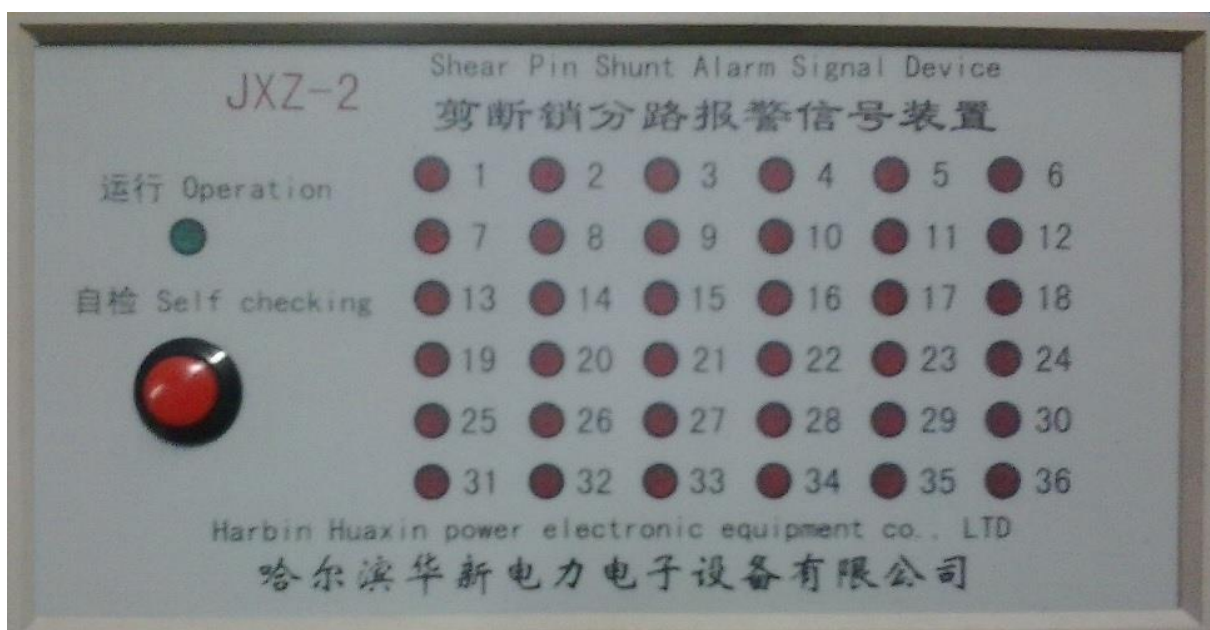
C. 43-48 are output terminals D. 49 is ground terminal

E. 50 & 51 are power inlet terminals(When AC L, N; When DC +, -)



● Self Inspection: (see the front panel below)

When the “self inspection” button is pushed, all signal lamps should light.



Harbin Huaxin Power Electronic Equipment Co.,LTD

Address: No.79, WenHua, XiangFang District of Harbin,HeiLongJiang Province

Tel:+86451-86679103 Fax:+86451-86677645 Postcode:150040

[http:www.hxdldz.cn](http://www.hxdldz.cn)

E-mail:hxdldz@126.com

