

线路浪涌保护器“LITOL”系列可保护各种电子设备免遭感应雷击浪涌(雷害)、噪声等异常电压的损害。LTP 系列可以安装在控制盘或配电盘内。

LITOL Line Surge Protector has been developed to effectively protect all types of electronic equipment and machinery from induced surge voltages from lightning and from electrical noise. The LTP series can be installed in control boxes and in switch boards.

■特点

- 1 台便可保护线间、对地间
- 操作和安装都非常简单
- 可有效抵御重复电涌，寿命较长
- 支持额定电压 AC125V/AC250V/AC400V
- 面对雷电电涌，会迅速工作，保护机器
- 支持等级 II (JIS C5381-11) 的浪涌测试条件
- 使用温度范围 (一般规格) : -25 ~ 85°C
- 保存温度范围 (一般规格) : —

■典型应用例

- NC 机床、放电加工机、机械手等

(接线方法)

设备控制盘的输入处有 R, S(N), T, E 铭牌。LTP-250□ (LTP-125□, LTP-400□) 的接线板上也有相同的表示，所以请用同捆电线分别对 R-R, S-S(N-N), T-T, E-E 进行接线。

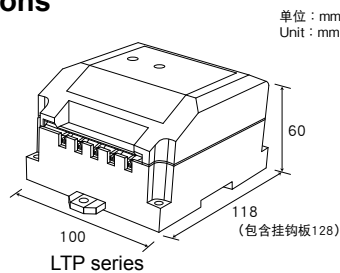
(Wiring method)

There are name plates of R,S(N), T,E in power line input of machine control panel. Please connect corresponding parts of “LTP-250□ (LTP-125□, LTP-400□)” to the above, like R-R, S-S(N-N) and T-T, E-E.

■型号构成 Part number system

LTP	—	125	□
形状 Shape		额定电压 Rated voltage	记号 code
		125 AC125V	R Imax=20kA
		250 AC250V	F 可显示功能 Operating indicator LED
		400 AC400V	

■形状·尺寸 Dimensions



■特性 Characteristics

型号 Part number	最大连续使用电压 Maximum continuous operating voltage Uc	标称放电电流 Nominal discharge current In	最大放电电流 Maximum discharge current Imax	电压保护标准 Voltage protection level Up 1)		功能显示 Operating indicator 2)
NEW LTP-125RF	AC150V (单相 3 线) (Single-phase 3 wires)	10kA (8/20μs)	20kA (8/20μs)	线-线	Line to line	1.2kV
NEW LTP-250RF	AC275V (3 相 3 线) (Three-phase 3 wires)			线-GND	Line to ground	1.5kV
				线-线	Line to line	1.5kV
NEW LTP-400RF	AC510V (3 相 3 线) (Three-phase 4 wires)			线-GND	Line to ground	1.5kV
				线-线	Line to line	2.5kV
				线-GND	Line to ground	2.5kV

- 1) : 标称放电电流 In (8/20 μs) 外加时
2) : 功能显示灯亮起 (如通电中或没开灯, 请更换)

- 1) : Nominal discharge current In : 8/20 μs
2) : The LED isn't replace the immediately.

■Features

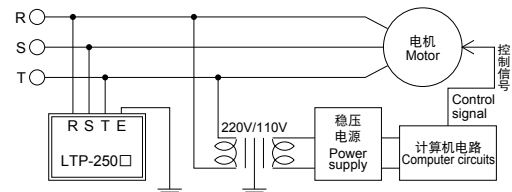
- 1 unit can protect between lines and between ground
- Compact and easy to mount
- Durable against multiple surges, long life
- Compatible with rating of 125VAC/250VAC/400VAC
- Responds quickly to lightning surges, protects devices
- Satisfy with ClassII surge test condition. (JIS C5381-11)
- Operating temperature limit : -25 ~ 85°C
- Storage Temperature Range : —

■Applications

- NC tooling, arc discharge machining, robots, etc.

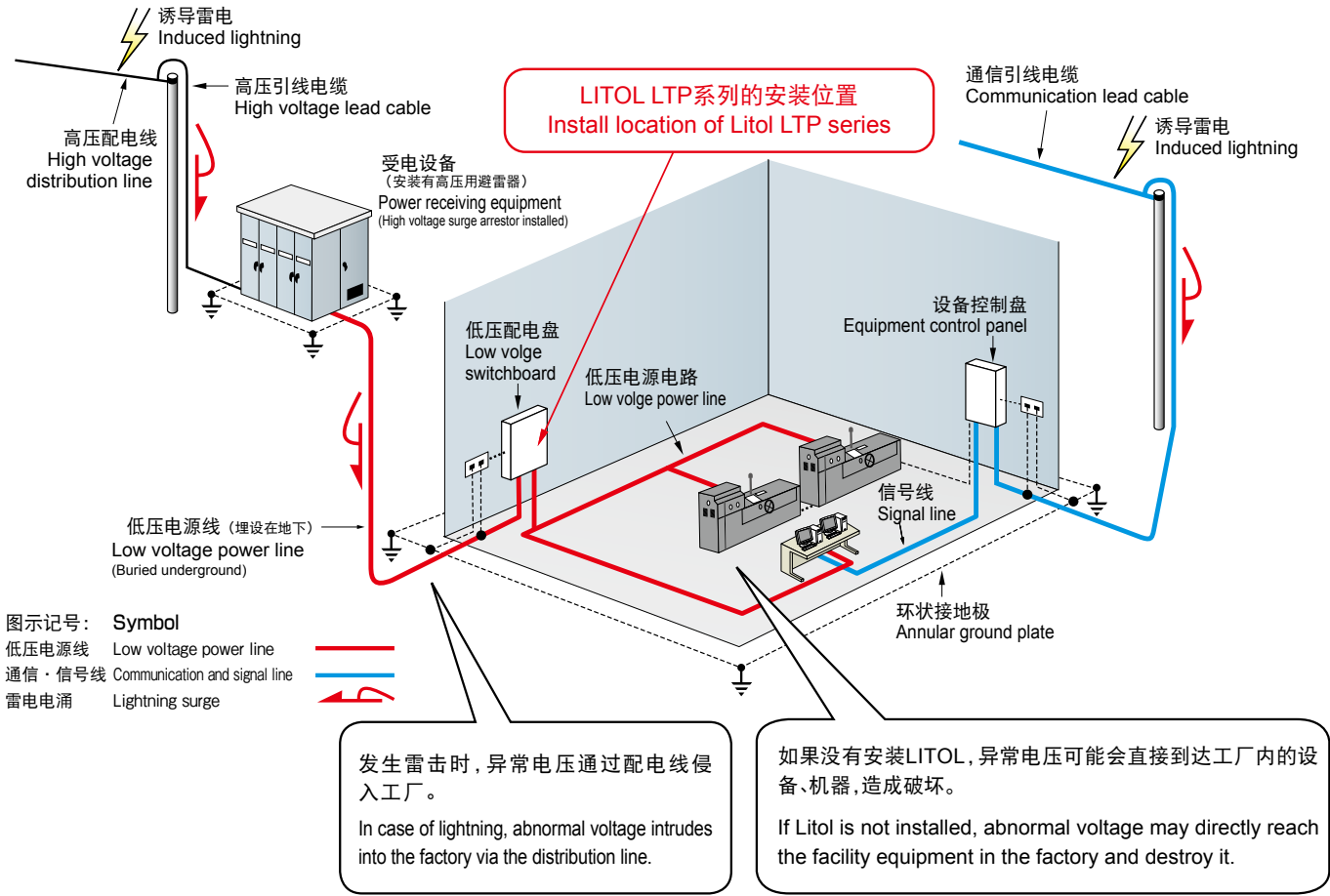
LTP-250□

三相3线AC250V
Three-Phase 3 wire AC250V



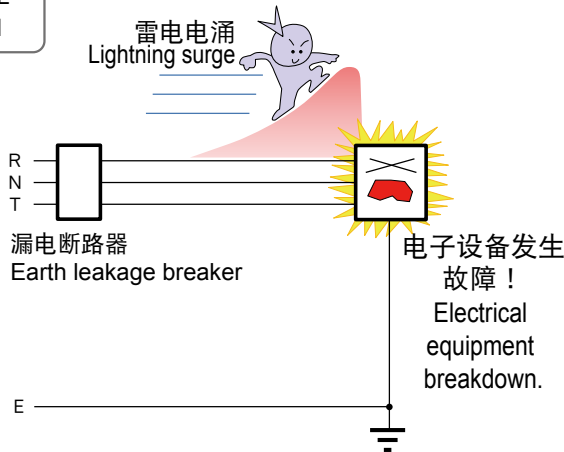
■ 雷电电涌的侵入途径和配电盘、控制盘的雷电对策
■ Intrusion route of lightning surge and measures against surge to switchboard and control panel

工厂示例 Example: Power Line of Factory



■ LITOL(LTP)的用途

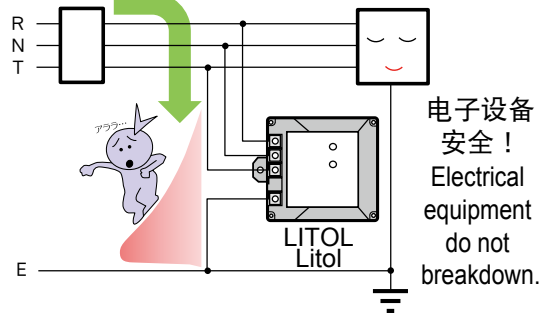
无 LITOL
No Litol



雷电电涌的能量直接到达电子设备等,导致半导体部件的破坏等,引发故障。
The energy of the lightning surge reaches the electric equipment directly, leading to malfunction such as destruction of semiconductor parts.

■ The effect of Litol

有 LITOL
With Litol



LITOL是一个开关,平时开启,仅在雷电入侵的瞬间关闭。
Litol is like a switch, normally open and closes only at the moment lightning surge is applied.

- LITOL将雷电电涌的异常电压限制在想要保护的设备的耐压等级以下,防止设备损坏。
- Litol (LTP) limits the abnormal voltage of induced lightning surge to below the withstand voltage level of the equipment to be protected, and prevents destruction of equipment.