



## PX1210 POWER SUPPLY

**12 VOLTS DC  
@ 1.0 AMPS**

### General Description

The Tech Works **PX1210** is a regulated computer grade power supply capable of providing 1.0 Amps of power at 12-Volts DC to any of our products. This unit is UL and CSA listed in a surface mount enclosure. A 6-foot removable power cord with a North American standard Edison connector is included. This is a switching power supply designed to operate on worldwide AC input.

### Design Information

Output: 12 VDC - @ 1.0A continuous current  
Input: 100-240 VAC 50-60 Hz  
Dimensions – 2" W, 3" H, 1.25" D

### Associated Equipment

*Clinic-Call, Court-Call, Light-Call,  
Voice-Call, Residence-Call*

### BENEFITS

- Fully Regulated
- Small Package
- Easy to Install
- UL and CSA Listed
- Complete with Cable

### Architects' and Engineers' Specifications

The Light Signaling System shall be supplied with a 12-Volt Direct Current power supply capable of powering all devices, as shown on plans, simultaneously with a minimum of 25% reserve power. The power supply shall be UL/CSA Listed for use with alarm and signaling systems. A surface mounting case shall be included to house the power supply. This unit shall operate from an input of 100 to 240 Volts AC and supply a minimum of 1.0 Amps at 12-Volts DC.

The Light Signaling System Power Supply shall be Tech Works Model PX1210.

## Tech Works™

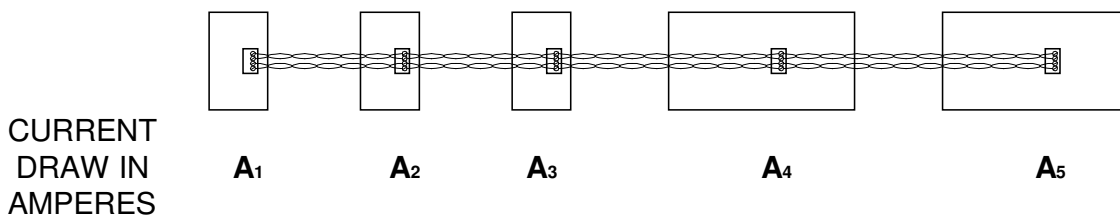
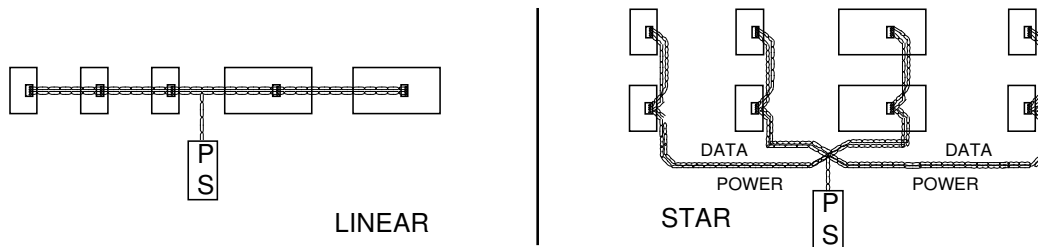


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# NETWORK POWER & WIRE REQUIREMENTS

POWER SHOULD BE THE SHORTEST ROUTE POSSIBLE!



## POWER SUPPLY SIZE REQUIRED

$$A_1 + A_2 + A_3 + A_4 + A_5 = A_{TOTAL}$$

ADD THE MAXIMUM CURRENT REQUIRED BY EACH DEVICE TO DETERMINE THE TOTAL CURRENT REQUIRED FROM THE POWER SUPPLY.

## WIRE SIZE REQUIRED

$$\frac{V}{A_1 + A_2 + A_3 + A_4 + A_5} > R_{WIRE} \times 2$$

VOLTAGE / CURRENT SHOULD ALWAYS BE GREATER THAN THE RESISTANCE OF THE WIRE X 2