

# P/S-ALARM CARD

Alarm Card: 12V / 24V / 48VDCatts



## Features

- DC input options: 12V, 24V and 48VDC
- Two alarms with LED
- Alarms available via relay change over contacts
- Each alarm can be set to monitor any under voltage condition between 10-60VDC
- Model: **P/S-ALARM-12C**: 10-15vdc
- Model: **P/S-ALARM-24/48C**: 16-60vdc
- Easy panel mount package with screw terminals or open frame card
- Suitable for a wide range of industrial applications
- Case dimension : 125 x 57 x 32mm
- Contact rating: 30vdc 0.5A

## General Specifications

<b>Input Voltage</b>	<b>Input A</b> 12VDC, 24 / 48VDC
( Link selectable )	<b>Input B.</b> 12VDC, 24 / 48VDC
<b>Output</b>	Two Relay Alarms
<b>Alarm Setting</b>	Each alarm has a selectable link / jumper for setting to 12V nominal or 24-48vdc nominal
<b>Adjustment</b>	<p><b>Alarm A</b> ( 9-15 ) / ( 16-60 )</p> <p><b>Alarm B.</b> ( 9-15 ) / ( 16-60 )</p> <p>The two Alarms have individual trim-pots, allowing the voltage level to be set as indicated above.</p>

## Description

The **P/S-Alarm Card** was developed to provide an off-the-shelf solution for monitoring 12, 24 and 48VDC power supply systems.

It will accept two DC Input supplies and will provide two isolated alarms, which can be set for monitoring an under voltage condition or DC Fail condition of a DC Supply or Converter.

There are two jumpers that allow the setting for **12V** systems or **24/48V** systems. Each setting is also adjustable via a trim pot to the required voltage to be monitored.

The two LED'S also provide visual indication of DC Fail / Low condition.

Typical applications include the monitoring of any DC Power supply, in particular the monitoring of two power supplies that are connected in an **N+1 redundancy** ( via external diodes )

It can also be used in battery back-up systems, with alarm **A** for example used to monitor the float voltage of the system and alarm **B** used to monitor a low level, such as battery low condition.

Input A +VE In -VE In	ALARM PCB	Output Contacts C NO NC
Input B +VE In -VE In		Output Contacts C NO NC

Fig 2: Alarm card connections

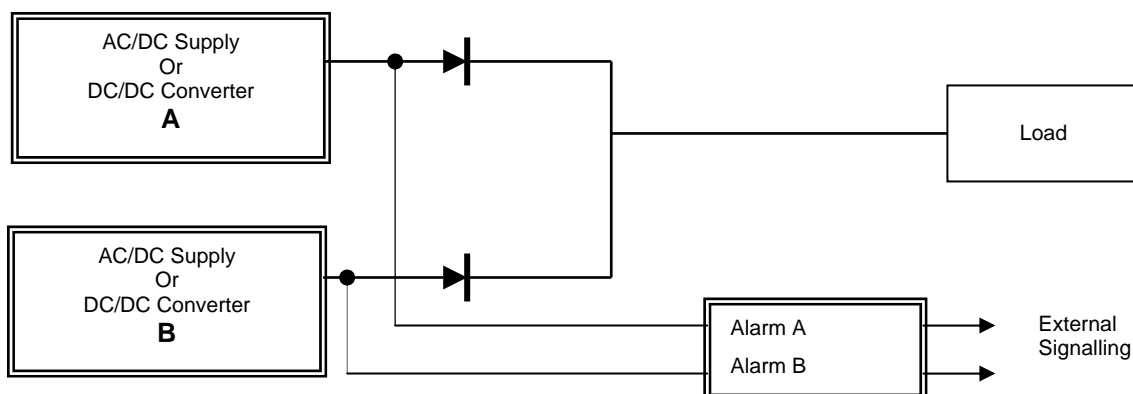


Fig 1: apical connection diagram with two power supplies connected in N+1 redundancy