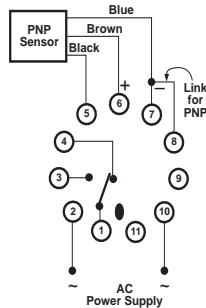




## WIRING EXAMPLE (requires optional S3-B base)



This diagram shows connection of a PNP sensor. An NPN sensor can be connected in a similar fashion.

## Application Examples

- For converting a DC sensor signal to a relay output for direct switching of currents up to 10A
- Where a switching interface is required between a DC sensor and AC circuits up to 525 VAC

## Features

- Direct interface with all types of 3-wire DC PNP or NPN sensors (inductive, capacitive or photoelectric)
- LED indication of relay status
- Robust power supply
- Cost effective interface for DC sensors in AC environments

### ORDERING CODE

TYPE	SUPPLY VOLTAGE	AC/DC	RELAY CONTACTS
SC314	240	AC	S

## Technical Specification

### Power Supply:

AC: 12, 24, 110, 240 (ie. 220-240), 400, 415, 525V  $\pm 15\%$   
Isolation (sensor input to power supply): 2kV

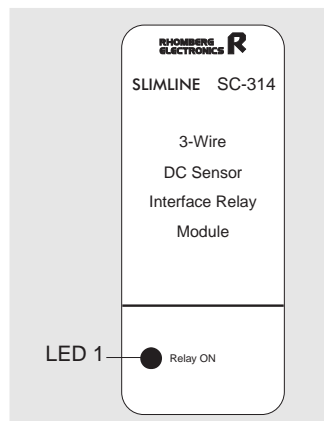
**DC output supply for sensor:** 10-15V at 30mA

### Proximity Sensor Input (PNP pin 5, NPN pin 8):

Each sensor must be able to conduct at least 80mA to operate the SC314's internal relay.

Maximum switching speed: 25Hz (when using relay output)

## Description of Controls



LED 1: The LED marked "Relay ON" illuminates when the relay is energised.

## Operational Diagrams

PNP or NPN sensor wired to SC314 relay

Power Supply	
Sensor activated	
Relay On	