

## 1 Qualification of Users

The use of products described in this manual is oriented exclusively to electrically skilled persons or persons instructed by them. The users must be familiar with the relevant safety concepts of automation technology as well as applicable standards and other regulations

## 2 Overview and Ordering

### 2.1 Overview

ZCDv1.2 is a small footprint zero crossing detector; it is designed to detect zero crossings for voltages below 300V.

### 2.2 Ordering

Kindly contact us before ordering, mention ZCDv1.2 in the subject of email.

## 3 Application Note

Motor control

Welding Machines

Switching Application

## 4 Liability to Entek

Users are liable for damage or death due to use of this product, Entek doesn't take liability of the goods damaged while in transit or at site.

While we make sure our products are well tested, there might be inaccuracy over a period of time, Entek is not liable for the accuracy of this product.

It is accurate to 2 years of continuous use,

There is no warranty for the product mentioned in this manual.

We request user to contact us before ordering.

## 5 Contact us

[vinay@entekpowersaver.com](mailto:vinay@entekpowersaver.com) or +91 7386889456

## 5 Technical Specification

### General Data

Dimensions	90 mm x 65mm
Weight	0.20g appr
No of Mounting Holes	2

### Electrical Data

#### High Voltage side

Input	190 - 300V
Power consumption	8.62 - 23.5 W
Power Factor	0.98
Frequency	50-60Hz

#### Low Voltage side

Input Voltage for output	5 – 30V
Output	4.5-29.5V
Full wave Output	Detects 04 Zero crossing for a 50Hz cycle

## 6 Product Images

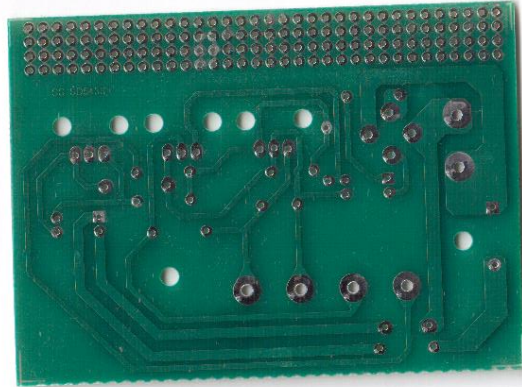


Figure 6.11 Solder side

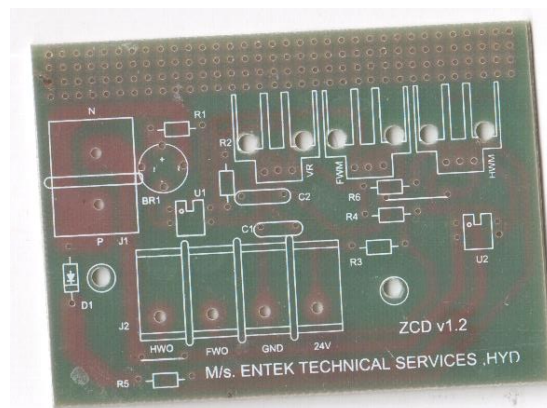


Figure 6.11 Circuit Side