

English

# Installation Guide

## WCD-SWU



15461303

### 1 GENERAL INFORMATION

This guide contains instructions for the installation, set-up and operation of WEG WCD-SWU - 5 - Tx and 8-Tx Industrial Unmanaged Ethernet Switches.

### 2 SAFETY INFORMATION

- Keep this equipment away from moisture.
- The openings in the cabinet are designed for air convection. Protect the equipment from overheating. DO NOT COVER THE OPENINGS.

### 3 PRODUCT DESCRIPTION

The WCD-SWU line offers industrial unmanaged Ethernet switches with 5 and 8 ports, which provide redundant dual power input and dual special IP30 protection and solid metal frame. They have a compact design with DIN rail mounting bracket and flat surface mounting. Thus, it provides easy installation and dynamic profile for any industrial application.

### 4 PACKAGE CONTENT

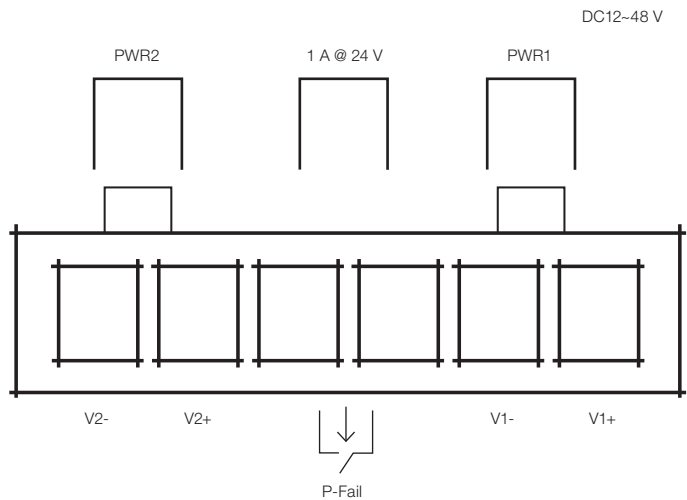
Upon receiving the product, check if the package contains:

- 1 x WCD-SWU-5-Tx / 8-Tx Switch.
- 1 x Flat surface mounting bracket kit with fastening hardware.
- 1 x Fastening hardware and DIN rail mounting bracket (attached to the back of the product).
- 1 x Installation Manual.

### 5 PRODUCT INSTALLATION

WEG unmanaged Ethernet switches are easy to install. You just have to follow the steps and directions below:

**Step 1:** The SWU supports dual +12 ~ 48 VDC power inputs and power failure relay. The connection inputs are shown in the figure below:



An alarm indicator, buzzer or another signaling device can be connected via the relay output. The relay will open if power input 1 or 2 fails. If the power indicator does not light when the power cable is connected, the power cable may be defective. Also, check for loose power connections, losses or fluctuations on the power outlet.



**ATTENTION!**  
Do not use power adapters with DC output voltage above 48 V to avoid the risk of burning the device.

**Step 2:** Identifying the LEDs.

The SWU has LED indicators in front of the device, showing power status and network status according to the table below:

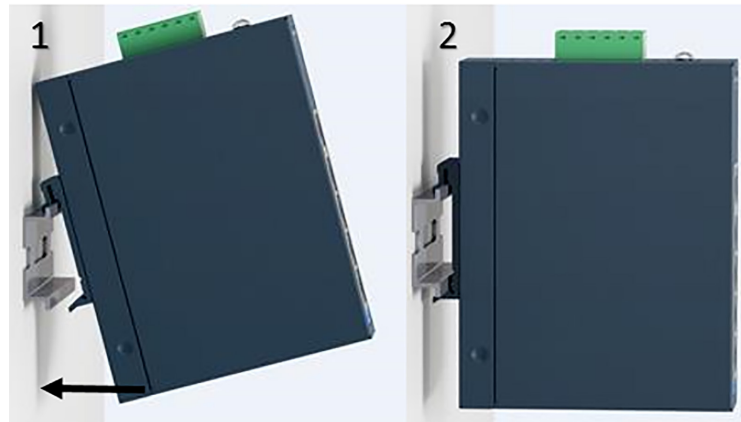
LED	Color	Description
P1	Green	On Power input 1 is active
		Off Power input 1 is disabled
P2	Green	On Power input 2 is active
		Off Power input 2 is disabled
P-Fail	Red	On Power input 1 or 2 is disabled
		Off Power input 1 and 2 are both active or there is no power input
Link/Active	Green	On Connected to the network
		Flashing The network is active
		Off The network is disconnected
Duplex/Collision	Yellow	On Full Duplex Ethernet port
		Flashing Packet collision
		Off Half Duplex Ethernet port or no network connection

**Step 3:** Connect the Ethernet devices with an RJ-45 connection.

**Step 4:** Mounting.

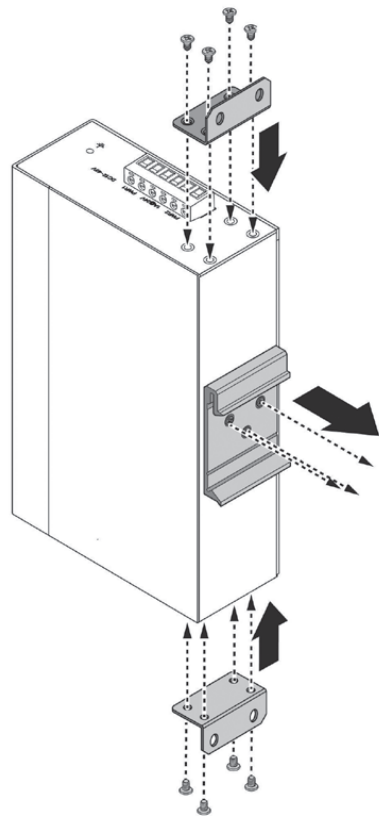
For DIN rail mounting:

1. Position the fixing structure inclined at the rear of the product.
2. Then, lower and push the product until the bottom snaps in.



For flat surface mounting:

1. Remove the DIN-rail mounting adaptation structure from the rear of the SWU.
2. Add the mounting plates, as shown below.
3. Attach them to the surface in question.



### 6 CERTIFICATIONS

<b>CE</b>	According to standards EN 61000-6-2 and EN.
<b>UL</b>	According UL 60950-1 standard.
<b>FCC</b>	<p>*Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.*</p> <p>For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:</p> <p><b>Note:</b> This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.</p>



**ATTENTION!**  
The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.



Español

# Guía de Instalación

## WCD-SWU

### 1 INFORMACIONES GENERALES

Esta guía orienta en la instalación, configuración y operación de los Switches no Gestionables Industriales Ethernet WEG WCD-SWU - 5 - Tx Y 8-Tx.

### 2 INFORMACIONES DE SEGURIDAD

- Mantenga este equipo lejos de la humedad.
- Las aberturas en el gabinete son para convección de aire. Proteja el equipo de supercalentamiento. NO CUBRA LAS ABERTURAS.

### 3 DESCRIPCIÓN DEL PRODUCTO

La línea WCD-SWU son Switches Ethernet industriales no gestionados de 5 y 8 puertos, que realizan entrada de energía doble redundante y protección doble con IP30 especial y chasis de metal sólido. Poseen un diseño compacto con soporte para instalación en riel DIN y montaje en superficies planas. Con eso, presenta fácil instalación y perfil dinámico para cualquier aplicación industrial.

### 4 CONTENIDO DEL EMBALAJE

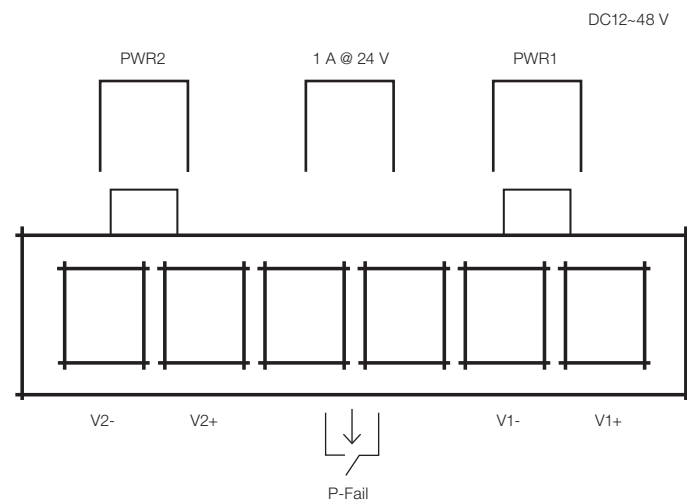
Al recibir el producto, verificar si el embalaje contiene:

- 1 x Switch WCD-SWU-5-Tx / 8-Tx.
- 1 x Kit de soportes para montaje en superficie plana con tornillos para fijación.
- 1 x tornillos Y soporte de montaje en riel DIN (fijado en la parte trasera del producto).
- 1 x Manual de Instalación.

### 5 INSTALACIÓN DEL PRODUCTO

Los Switches no Gestionables Ethernet WEG poseen fácil instalación, basta seguir los pasos y orientaciones descritas abajo:

**Paso 1:** El SWU soporta entradas de energía dobles de +12 ~48 VDC y relé de falla de energía. Las entradas para conexiones son presentadas en la imagen de abajo:



Se puede conectar un indicador de alarma, timbre u otro equipo de señalización, a través de la salida a relé. El relé se abrirá en caso de que las entradas de energía 1 o 2 fallen. Si el indicador de energía no se enciende, cuando el cable de alimentación esté conectado, el usuario podrá tener un problema con el cable de alimentación. En seguida, verifique si existen conexiones de energía flojas, pérdidas u oscilaciones en el tomacorriente.



**¡ATENCIÓN!**  
No use adaptadores de energía con tensión de salida DC superior a 48 V para evitar riesgos de quema del dispositivo.

**Paso 2:** Identificando los LEDs.

El SWU tiene LEDs de identificación localizados en su vista frontal que exhiben el status de energía y el status de la red, conforme la tabla orientativa de abajo:

LED	Color	Descripción
P1	Verde	Encendido Entrada de energía 1 está activa
		Apagado Entrada de energía 1 está inactiva
P2	Verde	Encendido Entrada de energía 2 está activa
		Apagado Entrada de energía 2 está inactiva
P-Fail	Rojo	Encendido Entrada de energía 1 o 2 está inactiva
		Apagado Entrada de energía 1 y 2 ambas activas o ninguna entrada de energía
Link/Active	Verde	Encendido Conectado a la red
		Parpadeando La red está activa
		Apagado Red desconectada
Duplex/Collision	Amarillo	Encendido Puerto Ethernet Full Duplex
		Parpadeando Evento de colisión de paquetes
		Apagado Puerto Ethernet Half Duplex o sin conexión con la red

**Paso 3:** Conecte los dispositivos Ethernet con conexión RJ-45.

**Paso 4:** Instalación.

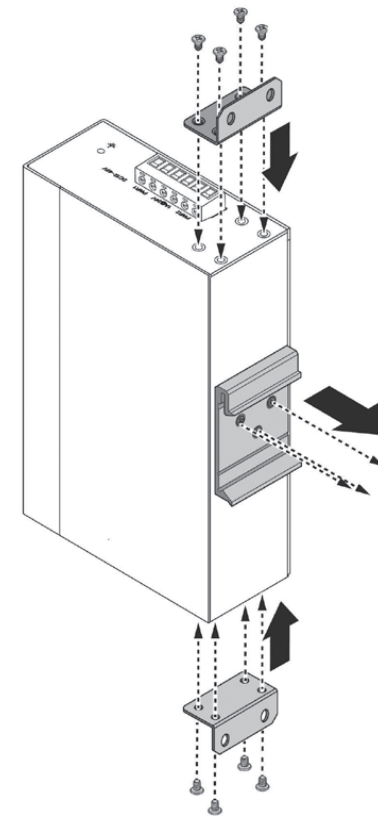
Para instalación en riel DIN:

1. Posicione la estructura de fijación presente en la parte trasera del producto de manera angulada.
2. En seguida, baje y empuje el producto hasta encajar la parte inferior.



Para instalación en superficies planas:

1. Remueva la estructura de adaptación para fijación en riel DIN de la parte trasera del SWU.
2. Agregue las chapas de fijación conforme la figura de abajo.
3. Fije en la superficie en cuestión.



### 6 CERTIFICACIONES

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# Guia de Instalação

## WCD-SWU

### 1 INFORMAÇÕES GERAIS

Este guia orienta na instalação, configuração e operação dos Switches não Gerenciáveis Industriais Ethernet WEG WCD-SWU - 5 - Tx e 8-Tx.

### 2 INFORMAÇÕES DE SEGURANÇA

- Mantenha este equipamento longe da umidade.
- As aberturas no gabinete são para convecção de ar. Proteja o equipamento de superaquecimento. NÃO CUBRA AS ABERTURAS.

### 3 DESCRIÇÃO DO PRODUTO

A linha WCD-SWU são Switches Ethernet industriais não gerenciados de 5 e 8 portas, que realizam entrada de energia dupla redundante e proteção dupla com IP30 especial e chassi de metal sólido. Possuem um design compacto com suporte para instalação em trilho DIN e montagem em superfícies planas. Com isso, apresenta fácil instalação e perfil dinâmico para qualquer aplicação industrial.

### 4 CONTEÚDO DA EMBALAGEM

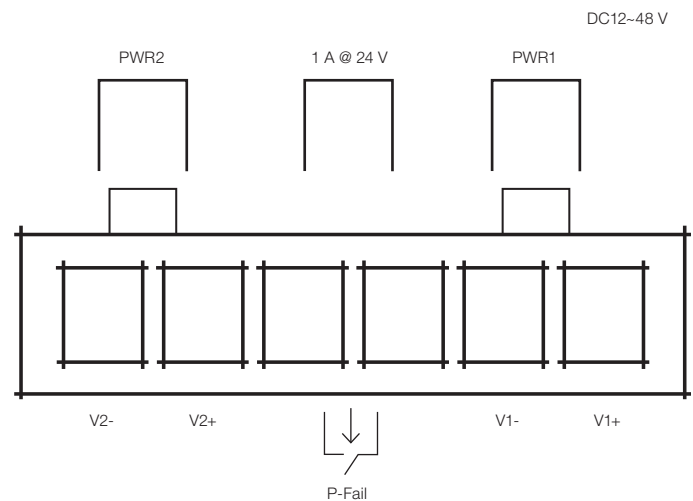
Ao receber o produto, verificar se a embalagem contém:

- 1 x Switch WCD-SWU-5-Tx / 8-Tx.
- 1 x Kit de suportes para montagem em superfície plana com parafusos para fixação.
- 1 x Parafusos e suporte de montagem em trilho DIN (fixado na traseira do produto).
- 1 x Manual de Instalação.

### 5 INSTALAÇÃO DO PRODUTO

Os Swiches não Gerenciáveis Ethernet WEG possuem fácil instalação, basta seguir os passos e orientações descritas abaixo:

**Passo 1:** O SWU suporta entradas de energia duplas de +12 ~48 VDC e relé de falha de energia. As entradas para conexões são apresentadas na imagem abaixo:



Pode-se conectar um indicador de alarme, campainha ou outro equipamento de sinalização através da saída a relé. O relé abrirá caso a entrada de energia 1 ou 2 falhar. Se o indicador de energia não acender quando o cabo de alimentação estiver conectado, o usuário poderá possuir um problema com o cabo de alimentação. Em seguida, verifique se há conexões de energia frouxas, perdas ou oscilações na tomada.

**ATENÇÃO!**  
 Não use adaptadores de energia com tensão de saída DC superior a 48 V para evitar riscos de queima do dispositivo.

**Passo 2:** Identificando os LEDs.

O SWU possui LEDs de identificação localizados na sua vista frontal que exibem o status de energia e o status da rede conforme tabela orientativa abaixo:

LED	Cor	Descrição	
P1	Verde	Ligado	Entrada de energia 1 está ativa
		Desligado	Entrada de energia 1 está inativa
P2	Verde	Ligado	Entrada de energia 2 está ativa
		Desligado	Entrada de energia 2 está inativa
P-Fail	Vermelho	Ligado	Entrada de energia 1 ou 2 está inativa
		Desligado	Entrada de energia 1 e 2 ambas ativas ou nenhuma entrada de energia
Link/Active	Verde	Ligado	Conectado à rede
		Piscando	A rede está ativa
		Desligado	Rede desconectada
Duplex/Collision	Amarelo	Ligado	Porta Ethernet Full Duplex
		Piscando	Ocorrência de colisão de pacotes
		Desligado	Porta Ethernet Half Duplex ou sem conexão com a rede

**Passo 3:** Conecte os dispositivos Ethernet com conexão RJ-45.

**Passo 4:** Instalação.

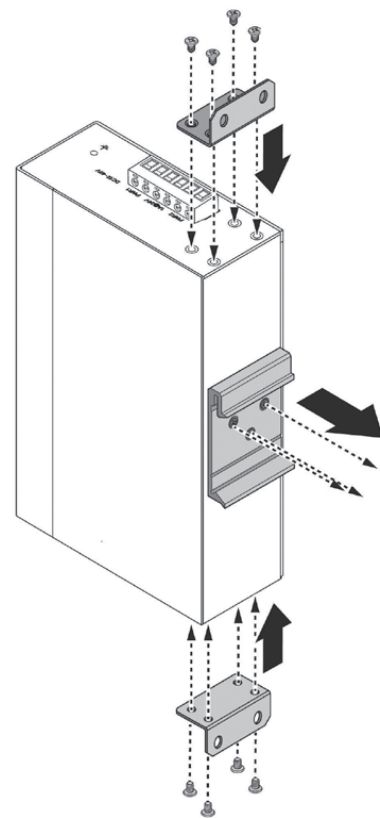
Para instalação em trilho DIN:

1. Posicione a estrutura de fixação presente na parte traseira do produto de maneira angulada.
2. Em seguida, abaixe e empurre o produto até encaixar a parte inferior.



Para instalação em superfícies planas:

1. Remova a estrutura de adaptação para fixação em trilho DIN da parte traseira do SWU.
2. Acrescente as chapas de fixação conforme figura abaixo.
3. Fixe na superfície em questão.



### 6 CERTIFICAÇÕES

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