

# PSI-1010/660 Series

Quick Installation Guide



*Industrial PoE Switch*

[www.westermo.com](http://www.westermo.com)

## Package List

- ▶ PSI device
- ▶ Attached 4-pin power terminal block
- ▶ Quick installation guide

## Overview

PSI-1010G-24V    PSI-660G-24V    PSI-1010G-48V    PSI-1010-F2G-48V

Interface				
10/100 Base-TX	8	4	8	8
10/100/1000 Base-TX	2	2	2	
1000 Base FX SFP				2
PoE Injector	Port 1~8	Port 1~4	Port 1~8	Port 1~8
PoE Wiring Pins	4,5,7,8	4,5,7,8	4,5,7,8	4,5,7,8
Power Boost	12~24V Boost	12~24V Boost		

## DIN rail Mount

The aluminum DIN rail attachment on the back of PSI Device is used to snap into the DIN rail plate

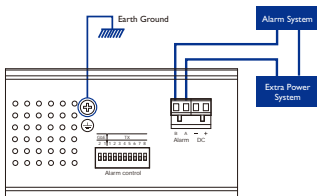


## Grounding PSI

Connecting grounding screw to the earth ground will ensure safety and reduce the interference of noise.

## Wiring the Relay Output

The relay output contacts are in the Left of the terminal block connector. By inserting the wires and settings the DIP switch of the respective alarm function to "ON", relay output alarm will detect port link fault, and form a short circuit.



## Dip Switch Setting

DIP Switches to configure Port Link Fail Alarm for GbE & PoE port

Pin No. #	1	2	Pin No. #	3	4	5	6	7	8	9	10
GbE port	2	1	PoE port	1	2	3	4	5	6	7	8



Default: off

Note: The Pin No. of PSI-660G-24V only DIP1~6

# PSI-1010G-24V

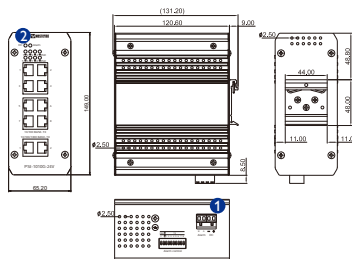
## LED per unit

- ▶ Power On/off x1 (Green on/off)
- ▶ Alarm enable/disable x1 (Red on/off)
- ▶ PoE LED x8 (Green on/off)

## LED per port

- ▶ Link/Activity x10 (Green on/ blinking)
- ▶ 10/100-TX Full Duplex/ Collision x8 (Yellow on/ blinking)
- ▶ 10/100/1000-TX Speed x2 (Yellow blinking)

## ME outline



- ▶ Dimension (mm):

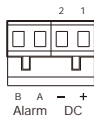
149(H) x 131(W) x 66(D)

- ▶ Weight: 1.05kg

- ▶ Operating temperature: -25~60°C

- 1 Connect the power line from the power supply
- 2 Indicators: Power on (green on)

## PIN assignment—Power connector



Pin	Power Signal
1	VCC
2	GND

- ▶ Power supply:

Single input 12~24V DC,  
boosting to 48V DC for PoE

- ▶ Power consumption:

95W (incl. PoE), 30W

# PSI-660G-24V

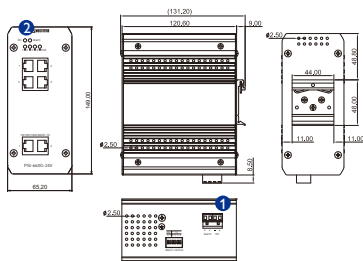
## LED per unit

- ▶ Power On/off x1 (Green on/off)
- ▶ Alarm enable/disable x1 (Red on/off)
- ▶ PoE LED x4 (Green on/off)

## LED per port

- ▶ Link/Activity x6 (Green on/ blinking)
- ▶ 10/100-TX Full Duplex/ Collision x4 (Yellow on/ blinking)
- ▶ 10/100/1000-TX Speed x2 (Yellow blinking)

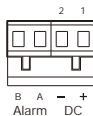
## ME outline



- ▶ Dimension (mm):  
149(H) x 131(W) x 66(D)
- ▶ Weight: 1.05kg
- ▶ Operating temperature: -25~60°C

- 1 Connect the power line from the power supply
- 2 Indicators: Power on (green on)

## PIN assignment—Power connector



Pin	Power Signal
1	VCC
2	GND

- ▶ Power supply:  
Single input 12~24V DC,  
boosting to 48V DC for PoE
- ▶ Power consumption:  
80W (incl. PoE), 25W

# PSI-1010G-48V / PSI-1010-F2G-48V

## LED per unit

- ▶ Power On/off x1 (Green on/off)
- ▶ Alarm enable/ disable x1 (Red on/off)
- ▶ PoE LED x8 (Green on/off)

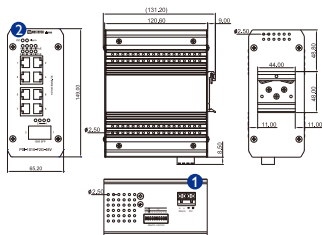
## PSI-1010-F2G-48V

- ▶ FX Link/Activity x 2 (Green on/blinking)
- ▶ FX Speed x 2 (Yellow blinking)

## LED per port

- ▶ Link/Activity x10 (Green on/ blinking)
- ▶ 10/100-TX Full Duplex/ Collision x8 (Yellow on/ blinking)
- ▶ 10/100/1000-TX Speed x2 (Yellow blinking)

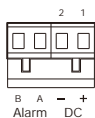
## ME outline



- ▶ Dimension (mm):  
149(H) x 131(W) x 66(D)
- ▶ Weight: 1.05kg
- ▶ Operating temperature: -25~70°C

- 1 Connect the power line from the power supply
- 2 Indicators: Power on (green on)

## PIN assignment—Power connector



Pin	Power Signal
1	VCC
2	GND

- ▶ Power supply:  
Single input 48V DC for PoE
- ▶ Power consumption:  
95W (incl. PoE), 30W

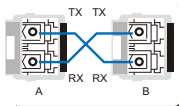
## Connecting the SFP port

Plug in SFP fiber transceiver. We recommend using westermo SFP transceivers. Cross-connect the transmit channel at each end to the receive channel at the opposite end as illustrated in the figure.

### ATTENTION



This is a Class 1 Laser/LED product.  
Don't stare at the Laser/LED Beam.



## Lieferumfang

- ▶ PSI Switch
- ▶ abnehmbare 4-Pin Schraubklemme für Spannungsversorgung
- ▶ Kurzanleitung für die Inbetriebnahme

## Überblick

	PSI-1010G-24V	PSI-660G-24V	PSI-1010G-48V	PSI-1010-F2G-48V
Interface				
10/100 Base-TX	8	4	8	8
10/100/1000 Base-TX	2	2	2	
1000 Base FX SFP				2
PoE Einspeisung	Port 1~8	Port 1~4	Port 1~8	Port 1~8
PoE Kontakte	4,5,7,8	4,5,7,8	4,5,7,8	4,5,7,8
Spannungsverstärkung	12~24V Verstärkung	12~24V Verstärkung		

## DIN-Schienen Montage

Die Aluminum DIN-Schienenhalterung auf der Rückseite des PSI an die DIN-Schiene klemmen.

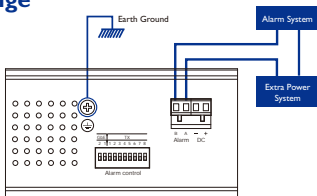


## Erdung des PSI

Für größtmögliche Sicherheit und zur Unterdrückung von Rauschen die Erdungsschraube mit Masse verbinden.

## Verdrahtung der Relaisausgänge

Die Kontakte der Relaisausgänge befinden sich an der Schraubklemme links. Mit Anschluss der Drähte und mit Setzen des entsprechenden DIP-Schalters auf "ON", schließt der Relais-Alarmausgang bei Port-Fehlern.



## Dip Switch Einstellung

DIP Switches zur Konfiguration des Port Link Fail Alarm für GbE & PoE Port

Pin No. #	1	2	Pin No. #	3	4	5	6	7	8	9	10
GbE port	2	1	PoE port	1	2	3	4	5	6	7	8



Beachte: Die Pin-Nr des PSI-660G-24V sind nur DIP1~6

Standard:Aus

# PSI-1010G-24V

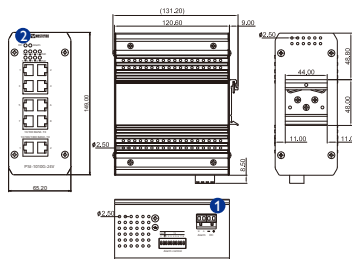
## LED pro Gerät

- ▶ PWR (Spannung) Ein/Aus x1  
(Grün Ein/Aus)
- ▶ Alarm aktiviert/deaktiviert x1 (Rot Ein/Aus)
- ▶ PoE LED x8 (Orange Ein/Aus)

## LED pro Port

- ▶ Link/Activity x10 (Grün Ein/ blinkend)
- ▶ 10/100-TX Full Duplex/ Collision x8  
(Gelb Ein/ blinkend)
- ▶ 10/100/1000-TX Speed x2 (Gelb blinkend)

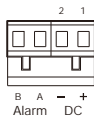
## Gehäuseskizze



- ▶ Abmessungen (mm):  
149(H) x 131(W) x 66(D)
- ▶ Gewicht: 1.05kg
- ▶ Betriebstemperatur: -25~60°C

- 1 Die Kabel der Spannungsversorgung anschließen
- 2 Anzeigen: Spannung(PWR) (Grün Ein)

## PIN-Belegung der Spannungsklemme



Pin	Power Signal
1	VCC
2	GND

- ▶ Spannungsversorgung:  
1 x Eingang 12~24V DC,  
Verstärkung auf 48V DC für PoE
- ▶ Leistungsaufnahme:  
95W (incl. PoE), 30W

# PSI-660G-24V

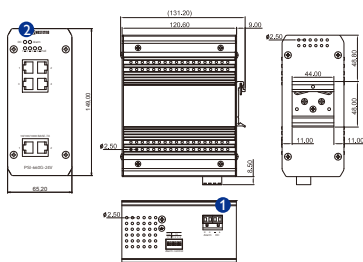
## LED pro Gerät

- ▶ PWR (Spannung) Ein/Aus x1  
(Grün Ein/Aus)
- ▶ Alarm aktiviert/deaktiviert x1 (Rot Ein/Aus)
- ▶ PoE LED x4 (Orange Ein/Aus)

## LED pro Port

- ▶ Link/Activity x6 (Grün Ein/ blinkend)
- ▶ 10/100-TX Full Duplex/ Collision x4  
(Gelb Ein/blinkend)
- ▶ 10/100/1000-TX Speed x2 (Gelb blinkend)

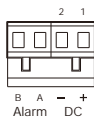
## Gehäuseskizze



- ▶ Abmessungen (mm):  
149(H) x 131(W) x 66(D)
- ▶ Gewicht: 1.05kg
- ▶ Betriebstemperatur: -25~60°C

- 1 Die Kabel der Spannungsversorgung anschließen
- 2 Anzeigen: Spannung(PWR) (Grün Ein)

## PIN-Belegung der Spannungsklemme



Pin	Power Signal
1	VCC
2	GND

- ▶ Spannungsversorgung:  
1 x Eingang 12~24V DC,  
Verstärkung auf 48V DC für PoE
- ▶ Leistungsaufnahme:  
80W (incl. PoE), 25W



# PSI-1010G-48V/PSI-1010-F2G-48V

## LED pro Gerät

- ▶ PWR(Spannung) x1 (Grün Ein/Aus)
- ▶ Alarm aktiviert/deaktiviert x1 (Rot Ein/Aus)
- ▶ PoE LED x8 (Orange Ein/Aus)

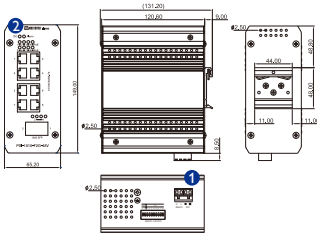
## PSI-1010-F2G-48V

- ▶ FX Link/Activity x 2 (Grün on/blinkend)
- ▶ FX Speed x 2 (Gelb blinkend)

## LED pro Port

- ▶ Link/Activity x10 (Grün Ein/blinkend)
- ▶ 10/100-TX Full Duplex/ Collision x8 (Gelb Ein/blinkend)
- ▶ 10/100/1000-TX Speed x2 (Gelb blinkend)

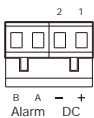
## Gehäuseskizze



- ▶ Abmessungen (mm):  
149(H) x 131(W) x 66(D)
- ▶ Gewicht: 1.05kg
- ▶ Betriebstemperatur: -25~70°C

- 1 Die Kabel der Spannungsversorgung anschließen
- 2 Anzeigen: Spannung(PWR)(Grün Ein)

## PIN-Belegung der Spannungsklemme




Pin	Power Signal
1	VCC
2	GND

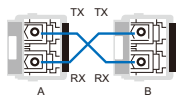
- ▶ Spannungsversorgung:  
Single input 48V DC for PoE
- ▶ Leistungsaufnahme:  
95W (incl. PoE), 30W

## Verbindung der SFP-Ports

Schliesen Sie die "SFP-Fiber transceiver" an. Wir empfehlen die Verwendung vom Westermo zertifizierten, SFP Transceiver. Kreuzen Sie die die Leitungen vom Sender- und Empfänger, wie in abgebildet.

**ATTENTION** Dies ist ein Klasse 1 Laser/LED Produkt  
Starren Sie nicht in den Laser/LED Strahl.





## Liste de colisage Spécifications

- ▶ Un PSI
- ▶ Un connecteur d'alimentation 4-pins
- ▶ Ce guide d'installation rapide

	PSI-1010G-24V	PSI-660G-24V	PSI-1010G-48V	PSI-1010-F2G-48V
<b>Interface</b>				
10/100 Base-TX	8	4	8	8
10/100/1000 Base-TX	2	2	2	
1000 Base FX SFP				2
Alimentation PoE	Port 1~8	Port 1~4	Port 1~8	Port 1~8
Pins de câblage PoE	4,5,7,8	4,5,7,8	4,5,7,8	4,5,7,8
Alimentation	12~24V	12~24V		

## Montage sur Rail DIN

Le Rail DIN Aluminium est fixé à l'arrière du PSI. Le produit doit être clipsé directement sur le Rail DIN

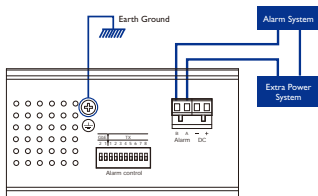


## Mise à la terre électrique du PSI

Une connexion correcte à la terre électrique grâce à la vis de masse assurera la sécurité électrique, et réduira les risques d'interférences et de bruit.

## Câblage des sorties relais

Les sorties du relais alarmes sont sur la gauche du connecteur. En câblant les fils, et en programmant les DIP switches des alarmes respectives sur "ON", La sortie ALARME détectera un problème de port et formera un court-circuit.



## Configuration des DIP Switches

Pour configurer l'alarme de défaut de port GbE & PoE

Pin No. #	1	2	Pin No. #	3	4	5	6	7	8	9	10
GbE port	2	1	PoE port	1	2	3	4	5	6	7	8



Défaut: off

Note: The Pin No. of PSI-660G-24V only DIP1~6

# PSI-1010G-24V

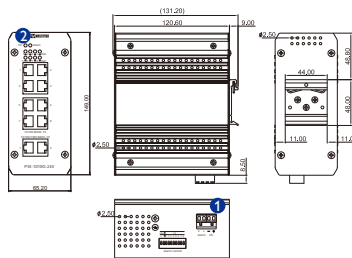
## LED par dispositif

- ▶ Marche/Arrêt x1 (Vert M/A)
- ▶ Alarme M/A x1 (rouge M/A)
- ▶ LED PoE x8 (Vert M/A)

## LED par port

- ▶ Activité Réseau x10 (Vert fixe/clignotant)
- ▶ 10/100-TX Full Duplex/ Collision x8 (jaune fixe/ clignotant)
- ▶ 10/100/1000-TX Speed x2 (jaune clignotant)

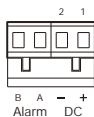
## Caractéristiques mécanique



- ▶ Dimension (mm):  
149(H) x 131(W) x 66(D)
- ▶ Poids: 1.05kg
- ▶ Temperature d'utilisation: -25~60°C

- 1 Connexion de l'alimentation
- 2 Indicateur:Alimentation (Vert = marche)

## Connexion de l'alimentation



Pin	Power Signal
1	VCC
2	GND

- ▶ Alimentation: 12~24V DC, transformée en 48V DC pour le PoE
- ▶ Consommation électrique: 95W (incl. PoE), 30W

# PSI-660G-24V

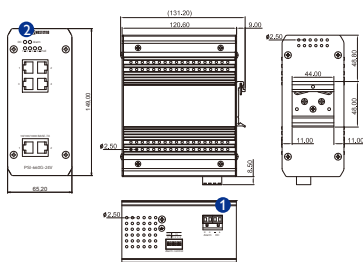
## LED par dispositif

- ▶ Marche/Arrêt x1 (Vert M/A)
- ▶ Alarme M/A x1 (rouge M/A)
- ▶ LED PoE x4 (Vert M/A)

## LED par port

- ▶ Activité Réseau x6 (Vert fixe/clignotant)
- ▶ 10/100-TX Full Duplex/ Collision x4 (jaune fixe/ clignotant)
- ▶ 10/100/1000-TX Speed x2 (jaune clignotant)

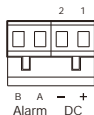
## Caractéristiques mécanique



- ▶ Dimension (mm):  
149(H) x 131(W) x 66(D)
- ▶ Poids: 1.05kg
- ▶ Temperature d'utilisation: -25~60°C

- 1 Connexion de l'alimentation
- 2 Indicateur:Alimentation (Vert = marche)

## Connexion de l'alimentation



Pin	Power Signal
1	VCC
2	GND

- ▶ Alimentation: 12~24V DC, transformée en 48V DC pour le PoE
- ▶ Consommation électrique: 80W (incl. PoE), 25W

# PSI-1010G-48V / PSI-1010-F2G-48V

## LED par dispositif

- ▶ Marche/Arrêt x1 (Vert M/A)
- ▶ Alarme M/A x1 (rouge M/A)
- ▶ LED PoE x8 (Vert M/A)

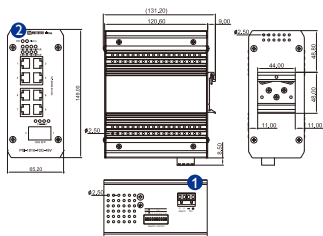
## PSI-1010-F2G-48V

- ▶ FX Activité Réseau x 2 (Vert fixe/clignotant)
- ▶ FX Speed x 2 (Jaune Clignotant)

## LED par port

- ▶ Activité Réseau x10 (Vert fixe/clignotant)
- ▶ 10/100-TX Full Duplex/ Collision x8 (jaune fixe/ clignotant)
- ▶ 10/100/1000-TX Speed x2 (jaune clignotant)

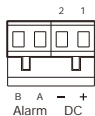
## Caractéristiques mécanique



- ▶ Dimension (mm):  
149(H) x 131(W) x 66(D)
- ▶ Poids: 1.05kg
- ▶ Température d'utilisation: -25~70°C

- 1 Connexion de l'alimentation
- 2 Indicateur:Alimentation (Vert = marche)

## Connexion de l'alimentation



Pin	Power Signal
1	VCC
2	GND

- ▶ Alimentation:  
48V DC pour PoE
- ▶ Consommation électrique:  
95W (incl. PoE), 30W

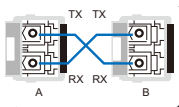
## Connecter les ports SFP

Brancher le transceiver fibre SFP. Nous recommandons d'utiliser des transceivers certifiés par Westermo. Connecter le canal d'émission à chaque extrémité au canal de réception du côté opposé, comme montre figure.

### ATTENTION



Produit comportant des LED laser de Classe 1. Ne stationner pas dans le faisceau Laser.



## Lista de componentes Comparativa

- ▶ Dispositivo PSI
- ▶ Se adjunta bornero de conexión  
4 pines para la alimentación  
externa
- ▶ Guía rápida de instalación

PSI-1010G-24V    PSI-660G-24V    PSI-1010G-48V    PSI-1010-F2G-48V

Interface	PSI-1010G-24V	PSI-660G-24V	PSI-1010G-48V	PSI-1010-F2G-48V
10/100 Base-TX	8	4	8	8
10/100/1000 Base-TX	2	2	2	
1000 Base FX SFP				2
Injector PoE	Port 1~8	Port 1~4	Port 1~8	Port 1~8
Pines conexión PoE	4,5,7,8	4,5,7,8	4,5,7,8	4,5,7,8
Boost de alimentación	12~24V Boost	12~24V Boost		

## Montaje en carril DIN

La pieza de aluminio para el encastre en carril DIN se encuentra situada en la parte posterior del dispositivo PSI.

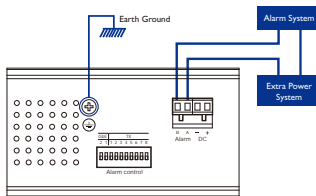


## Conexión a tierra del PSI

Conectar a tierra mediante la borna a tal efecto incrementará la protección del PSI y reducirá las posibles interferencias y ruidos.

## Conexión del relé de salida

Los contactos de salida del relé están a la izquierda del terminal de bornas. Insertando los hilos y ajustando los microinterruptores de alarma a "ON", el relé informará al cortocircuitarse, de un fall de puerto.



## Ajuste de microinterruptores

Microinterruptores DIP para configurar Alarma fallo Link de Puertos GbE & PoE

Pin No. #	1	2	Pin No. #	3	4	5	6	7	8	9	10
GbE port	2	1	PoE port	1	2	3	4	5	6	7	8



Default: off

Note: The Pin No. of PSI-660G-24V only DIP1~6

# PSI-1010G-24V

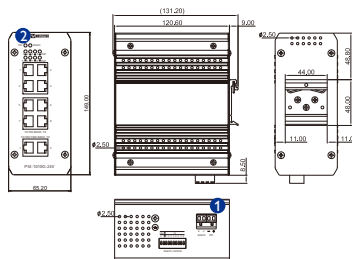
## LEDS por unidad

- ▶ Alimentación On/off x1 (Verde on/off)
- ▶ Alarma activ./desactiv. x1 (Rojo on/off)
- ▶ PoE LED x8 (Verde on/off)

## LEDS por puerto

- ▶ Link/Activity x10 (Verde on/parpadeo)
- ▶ 10/100-TX Full Duplex/ Colisión x8 (Amarillo on/ parpadeo)
- ▶ 10/100/1000-TX Speed x2 (Amarillo parpadeo)

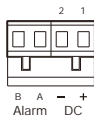
## Esquema exterior



- ▶ Dimension (mm):  
149(H) x 131(W) x 66(D)
- ▶ Peso: 1.05kg
- ▶ Temperatura de operación: -25~60°C

- 1 Conecte los cables de la fuente de alimentación
- 2 Indicadores: Alimentación (verde on)

## Asignación de pines — Conector de alimentación



Pin	Power Signal
1	VCC
2	GND

- ▶ Fuente de alimentación:  
Entrada simple 12~24V DC,  
boosting a 48V DC para PoE
- ▶ Potencia consumida:  
95W (incl. PoE), 30W

# PSI-660G-24V

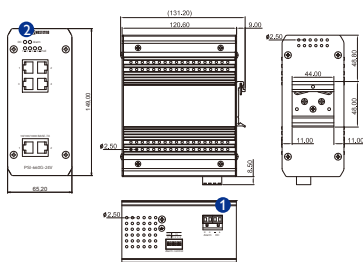
## LEDS por unidad

- ▶ Alimentación On/off x1 (Verde on/off)
- ▶ Alarma activ./desactiv. x1 (Rojo on/off)
- ▶ PoE LED x4 (Verde on/off)

## LEDS por puerto

- ▶ Link/Activity x6 (Verde on/parpadeo)
- ▶ 10/100-TX Full Duplex/ Colisión x4 (Amarillo on/ parpadeo)
- ▶ 10/100/1000-TX Speed x2 (Amarillo parpadeo)

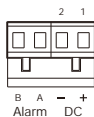
## Esquema exterior



- ▶ Dimension (mm):  
149(H) x 131(W) x 66(D)
- ▶ Peso: 1.05kg
- ▶ Temperatura de operación: -25~60°C

- 1 Conecte los cables de la fuente de alimentación
- 2 Indicadores: Alimentación (verde on)

## Asignación de pines — Conector de alimentación



Pin	Power Signal
1	VCC
2	GND

- ▶ Fuente de alimentación:  
Entrada simple 12~24V DC,  
boosting a 48V DC para PoE
- ▶ Potencia consumida:  
80W (incl. PoE), 25W



# PSI-1010G-48V / PSI-1010-F2G-48V

## LEDs por unidad

- ▶ Alimentación On/off x1 (Verde on/off)
- ▶ Alarma activ/desactiv. x1 (Rojo on/off)
- ▶ PoE LED x8 (Verde on/off)

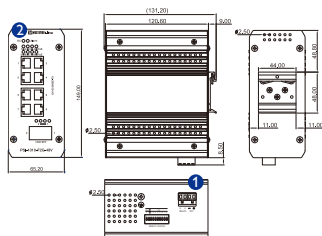
## PSI-1010-F2G-48V

- ▶ FX Link/Activity x 2 (Verde on/parpadeo)
- ▶ FX Speed x 2 (Amarillo parpadeo)

## LEDs por puerto

- ▶ Link/Activity x10 (Verde on/parpadeo)
- ▶ 10/100-TX Full Duplex/ Colisión x8 (Amarillo on/ parpadeo)
- ▶ 10/100/1000-TX Speed x2 (Amarillo parpadeo)

## Esquema exterior



- ▶ Dimension (mm):

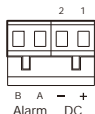
149(H) x 131(W) x 66(D)

- ▶ Peso: 1.05kg

- ▶ Temperatura de operación: -25~70°C

- 1 Conecte los cables de la fuente de alimentación
- 2 Indicadores: Alimentación (verde on)

## Asignación de pines — Conector de alimentación



Pin	Power Signal
1	VCC
2	GND

- ▶ Fuente de alimentación:

Entrada simple 48V DC para PoE,

- ▶ Potencia consumida:

95W (incl. PoE), 30W

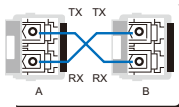
## Conexión de los Puertos SFP

Inserte el transceptor de fibra SFP. Se recomienda el uso de transceptores SFP certificados por Westermo. Conecte de manera cruzada el canal de transmisión al canal de recepción correspondiente en el dispositivo de campo y viceversa, tal como se ilustra en la Figura.

### ATTENTION



Es un producto Laser/LED Clase 1.  
No se exponga al rayo Laser/LED.









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