

PSI-1010/660 Series

Quick Installation Guide



Industrial PoE Switch

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

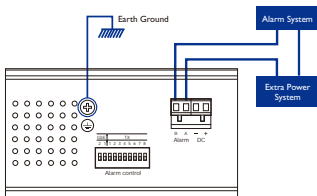


Grounding PSI

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

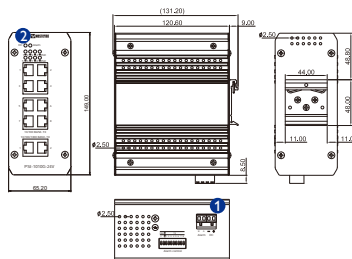
LED per unit

- ▶ 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):

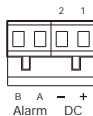
149(H) x 131(W) x 66(D)

- ▶ 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

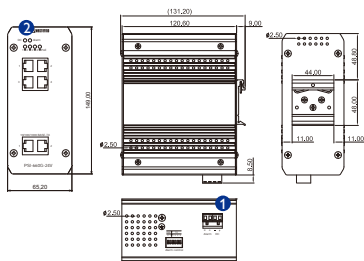
LED per unit

- ▶ 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)

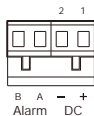
ME outline



- ▶ 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)

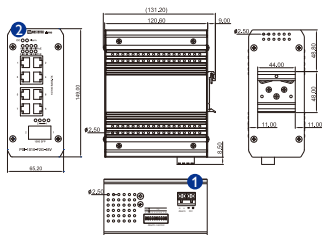
PSI-1010-F2G-48V

- ▶ 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)

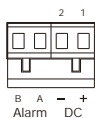
ME outline



- ▶ 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

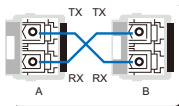
Connecting the SFP port

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.

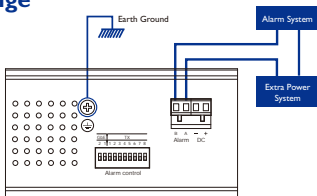


Erdung des PSI

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

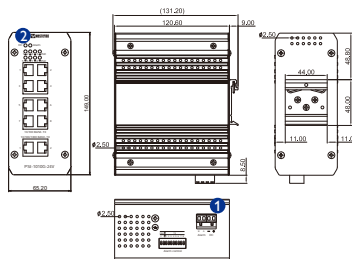
LED pro Gerät

- ▶ 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)

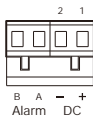
Gehäuseskizze



- ▶ 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

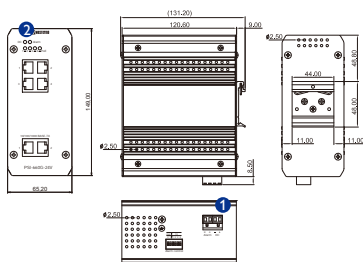
LED pro Gerät

- ▶ 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)

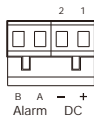
Gehäuseskizze



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

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- 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

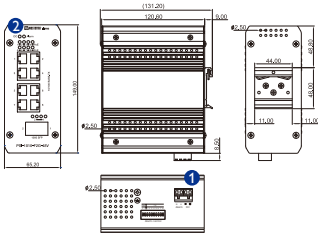
LED pro Gerät

- ▶ 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)

Gehäuseskizze



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)

- ▶ Abmessungen (mm):

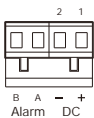
149(H) x 131(W) x 66(D)

- ▶ 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:

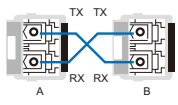
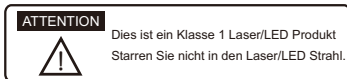
Single input 48V DC for PoE

- ▶ 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.



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
Interface				
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

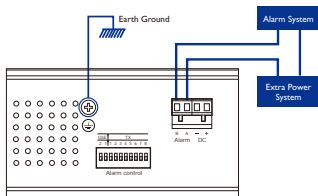


Mise à la terre électrique du PSI

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

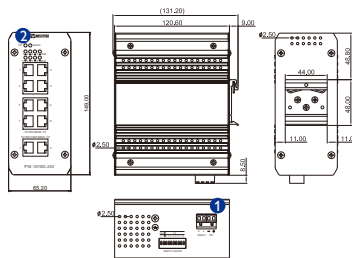
LED par dispositif

- ▶ 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)

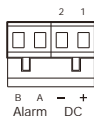
Caractéristiques mécanique



- ▶ 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

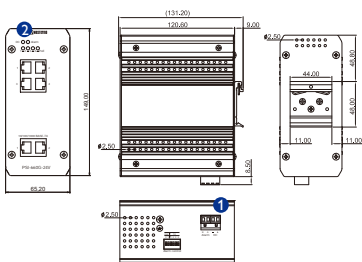
LED par dispositif

- ▶ 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)

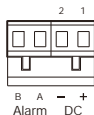
Caractéristiques mécanique



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- ▶ Poids: 1.05kg
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- 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)

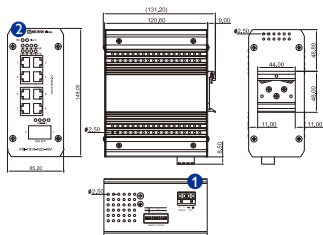
PSI-1010-F2G-48V

- ▶ 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)

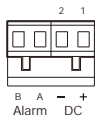
Caractéristiques mécanique



- ▶ 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

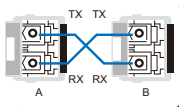
Connecter les ports SFP

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				
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.

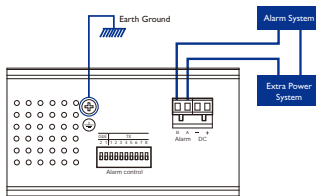


Conexión a tierra del PSI

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

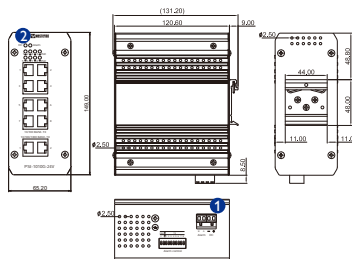
LEDS por unidad

- ▶ 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)

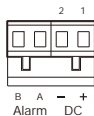
Esquema exterior



- ▶ 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

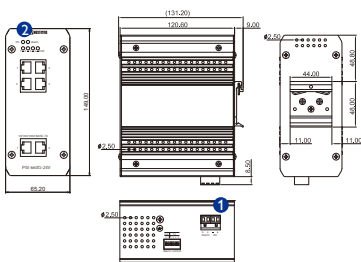
LEDS por unidad

- ▶ 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)

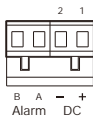
Esquema exterior



- ▶ 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)

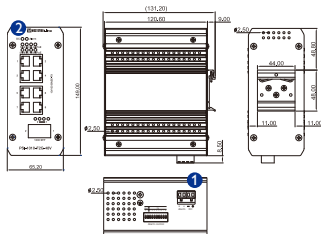
PSI-1010-F2G-48V

- ▶ 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)

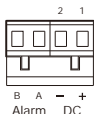
Esquema exterior



- ▶ 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

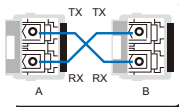
Conexion de los Puertos SFP

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.





Westermo Teleindustri AB • SE-640 40 Stora Sundby, Sweden

Phone +46 16 42 80 00 Fax +46 16 42 80 01

E-mail: info@westermo.se

Westermo Web site: www.westermo.com

Subsidiaries

Westermo Data Communications AB

Svalgängen 1

SE-724 81 Västerås

Phone: +46 (0)21 548 08 00 • Fax: +46 (0)21 35 18 50

E-mail: info.sverige@westermo.se

Westermo Data Communications Ltd

Talisman Business Centre • Duncan Road

Park Gate, Southampton • SO31 7GA

Phone: +44(0)1489 580-585 • Fax.:+44(0)1489 580586

E-Mail: sales@westermo.co.uk

Westermo Data Communications GmbH

Goethestraße 67, 68753 Waghäusel

Tel.: +49(0)7254-95400-0 • Fax.:+49(0)7254-95400-9

E-Mail: info@westermo.de

Westermo Data Communications S.A.R.L.

9 Chemin de Chilly 91160 CHAMPLAN

Tél : +33 1 69 10 21 00 • Fax : +33 1 69 10 21 01

E-mail : infos@westermo.fr

Westermo Data Communications Pte Ltd

2 Soon Wing Road #08-05

Soon Wing Industrial Building

Singapore 347893

Phone +65 6743 9801 • Fax +65 6745 0670

E-Mail: sales@westermo.com.sg

Westermo Teleindustri AB have distributors in several countries, contact us for further information.