Guía de instalación de FaceStation 2

Versión 1.01
Español

ES 101.00.FS2 V1.01A
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Instrucciones de seguridad

Respete las siguientes instrucciones para utilizar el producto de forma segura y evitar cualquier riesgo de lesiones o daños a la propiedad.

⚠️ Advertencia

El incumplimiento de las instrucciones podría causar lesiones graves o la muerte.

Instalación

No instale el producto en un lugar con luz solar directa, humedad, polvo u hollín.
- Se podría producir un incendio o una descarga eléctrica.

No instale el producto en un lugar con calor de un calefactor eléctrico.
- Se podría producir un incendio o una descarga eléctrica debido al sobrecalentamiento.

Instale el producto en un lugar seco.
- De lo contrario, se podría producir un daño en el producto o una descarga eléctrica debido a la humedad.

Instale el producto en un lugar sin interferencias electromagnéticas.
- De lo contrario, se podría producir un daño en el producto o una descarga eléctrica.

El usuario no debe instalar ni reparar el producto de forma independiente.
- Se podría producir un incendio, una descarga eléctrica o lesiones personales.
- Si el producto se dañó debido a la instalación o a la reparación independiente del producto por parte del usuario, no se proporcionará el servicio A/S gratuito.

Funcionamiento

No permita que entren líquidos como agua, bebidas o productos químicos al producto.
- Se podría producir un incendio, una descarga eléctrica o daños al producto.

⚠️ Precaución

El incumplimiento de las instrucciones podría causar lesiones menores o daños al producto.

Instalación

No instale el cable de la fuente de alimentación en un lugar por el que pasen personas.
- Se podrían producir daños en el producto o lesiones físicas.

No instale el producto cerca de objetos altamente magnéticos, como imanes, televisores, monitores (con tubos de rayos catódicos) o altavoces.
- Se podría producir una falla del producto.

Utilice solo un adaptador de alimentación de corriente de 24 V CC y 2.5 A o superior.
- Si no se utiliza la alimentación adecuada, el producto podría funcionar incorrectamente.

Utilice una fuente de alimentación independiente para Secure I/O 2, las cerraduras electrónicas y la FaceStation 2, respectivamente.
- Si conecta y utiliza la fuente de alimentación para estos dispositivos juntos, los dispositivos podrían funcionar incorrectamente.

Mantenga las distancias mínimas de separación entre dispositivos cuando instale varios de ellos.
- De lo contrario, el rendimiento de RF afectará al otro dispositivo, los que podrían funcionar incorrectamente.
Funcionamiento

No deje caer el producto ni lo someta a impactos.
- Se podría producir una falla del producto.

Administre la contraseña con cuidado, no la divulgue y cámbiela periódicamente.
- De lo contrario, podría producirse una intrusión ilegal.

No presione los botones del producto por la fuerza ni con una herramienta afilada.
- Se podría producir una falla del producto.

Al limpiar el producto, límpielo con un paño suave y seco, sin agua, benceno ni alcohol.
- De lo contrario, se podría producir una falla del producto.

La FaceStation 2 utiliza botones capacitivos. Si hay humedad en el ambiente o si la superficie del producto se encuentra manchada con agua, limpie el producto con una toalla seca antes de usarlo.

<table>
<thead>
<tr>
<th>Batería RTC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reemplazar la batería por una de un tipo incorrecto podría provocar una explosión.</td>
</tr>
<tr>
<td>Deseche las baterías de acuerdo con las normas regionales o internacionales correspondientes en materia de residuos.</td>
</tr>
</tbody>
</table>
Introducción

Componentes

NOTA
• Los componentes podrían variar según el entorno de instalación.
Nombre y función de cada pieza

<table>
<thead>
<tr>
<th>Nombre</th>
<th>Descripción</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micrófono</td>
<td>Transmite la voz del usuario cuando el interfono está conectado.</td>
</tr>
<tr>
<td>Pantalla LCD</td>
<td>Proporciona la interfaz de usuario para el funcionamiento.</td>
</tr>
<tr>
<td>Cámara infrarroja</td>
<td>Captura la imagen infrarroja del rostro.</td>
</tr>
<tr>
<td>Cámara</td>
<td>Captura una imagen real de la cara.</td>
</tr>
<tr>
<td>Unidad de autenticación de la tarjeta RF</td>
<td>Parte para escanear la tarjeta para la entrada.</td>
</tr>
<tr>
<td>Altavoz</td>
<td>Transmite el sonido.</td>
</tr>
<tr>
<td>Ranura para la memoria USB</td>
<td>Conecta la memoria USB.</td>
</tr>
<tr>
<td>Ranura para el cable mini USB</td>
<td>Disponible en futuras versiones.</td>
</tr>
<tr>
<td>Entrada TTL (4 clavijas)</td>
<td>Permite conectar el cable de entrada TTL.</td>
</tr>
<tr>
<td>RS-485 (4 clavijas)</td>
<td>Permite conectar el cable RS-485.</td>
</tr>
<tr>
<td>Relé (3 pasadores)</td>
<td>Permite conectar el cable del relé.</td>
</tr>
<tr>
<td>Nombre</td>
<td>Descripción</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Fuente de alimentación (2 clavijas)</td>
<td>Permite conectar el cable de la fuente de alimentación.</td>
</tr>
<tr>
<td>Ethernet</td>
<td>Permite conectar el cable Ethernet.</td>
</tr>
<tr>
<td>Entrada Wiegand (4 clavijas)</td>
<td>Permite la conexión del cable de entrada Wiegand.</td>
</tr>
<tr>
<td>Salida Wiegand (4 clavijas)</td>
<td>Permite la conexión del cable de salida Wiegand.</td>
</tr>
</tbody>
</table>
## Cables y conectores

### Fuente de alimentación

<table>
<thead>
<tr>
<th>Clavija</th>
<th>Nombre</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ENERGÍA + V CC</td>
<td>Rojo (banda blanca)</td>
</tr>
<tr>
<td>2</td>
<td>TIERRA</td>
<td>Negro (banda blanca)</td>
</tr>
</tbody>
</table>

### Relé

<table>
<thead>
<tr>
<th>Clavija</th>
<th>Nombre</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RELÉ NORMALMENTE ABIERTO</td>
<td>Blanco</td>
</tr>
<tr>
<td>2</td>
<td>RELÉ COM</td>
<td>Azul</td>
</tr>
<tr>
<td>3</td>
<td>RELÉ NORMALMENTE CERRADO</td>
<td>Naranja</td>
</tr>
</tbody>
</table>

### RS-485

<table>
<thead>
<tr>
<th>Clavija</th>
<th>Nombre</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>485 TRXP</td>
<td>Azul</td>
</tr>
<tr>
<td>2</td>
<td>485 TRXN</td>
<td>Amarillo</td>
</tr>
<tr>
<td>3</td>
<td>485 TIERRA</td>
<td>Negro</td>
</tr>
<tr>
<td>4</td>
<td>TIERRA</td>
<td>Gris</td>
</tr>
</tbody>
</table>

### Entrada TTL

<table>
<thead>
<tr>
<th>Clavija</th>
<th>Nombre</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TTL ENTRADA 0</td>
<td>Rojo</td>
</tr>
<tr>
<td>2</td>
<td>TTL ENTRADA 1</td>
<td>Amarillo</td>
</tr>
<tr>
<td>3</td>
<td>TTL A TIERRA</td>
<td>Negro</td>
</tr>
<tr>
<td>4</td>
<td>TIERRA</td>
<td>Gris</td>
</tr>
</tbody>
</table>

### Entrada y salida Wiegand

<table>
<thead>
<tr>
<th>Clavija</th>
<th>Nombre</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WG D0</td>
<td>Verde</td>
</tr>
<tr>
<td>2</td>
<td>WG D1</td>
<td>Blanco</td>
</tr>
<tr>
<td>3</td>
<td>TIERRA WG</td>
<td>Negro</td>
</tr>
<tr>
<td>4</td>
<td>TIERRA</td>
<td>Gris</td>
</tr>
</tbody>
</table>
Método correcto de registro del rostro y de autenticación

**Precauciones para registrar un rostro**

- Al registrar un rostro, mantenga una distancia de 40 a 80 cm entre el dispositivo y el rostro.
- Tenga cuidado de no cambiar la expresión facial (expresión sonriente, expresión macilenta, guiño, etc.).
- Si no sigue las instrucciones que aparecen en pantalla, el registro de la cara podría tardar más o fallar.
- Tenga cuidado de no cubrir los ojos ni las cejas.
- No use sombreros, máscaras, gafas de sol ni anteojos.
- Tenga cuidado de no mostrar dos caras en la pantalla. Registre una persona a la vez.
- Se recomienda que los usuarios que usen gafas se registren con y sin gafas.

**Precauciones para autenticar un rostro**

- Asegúrese de que el rostro aparezca dentro de la guía que se muestra en la pantalla del dispositivo.
- Si cambió las gafas, la autenticación podría fallar. Si se registró el rostro sin gafas, la autenticación debe realizarse sin gafas. Si solo registró el rostro con gafas, vuelva a autenticar el rostro con las gafas que utilizó anteriormente.
- Si se cubre parte del rostro con un sombrero, una máscara, un parche ocular o gafas de sol, la autenticación podría fallar. No se cubra el rostro; deje que el dispositivo reconozca ambas cejas y el rostro.
Instalación

Fijación del soporte y del producto

1 Determine la posición correcta para instalar el producto mediante la plantilla de taladrado que se proporciona.

   • La altura óptima para instalar el dispositivo es de 110 cm.
   • Instale el dispositivo donde no llegue la luz directa del sol.
   • Ajuste la posición de instalación, de modo que la cara no esté expuesta a la luz directa del sol cuando un usuario intente autenticarse.

2 Fije firmemente el soporte con tornillos de fijación a través del soporte hasta la posición en la que va a instalar la FaceStation 2.

   • Si se instala la FaceStation 2 en una pared de concreto, perfore orificios, inserte los anclajes de PVC y fíjelos con los tornillos de fijación.
   • Para evitar interferencias de RF, se debe mantener una distancia mínima de separación.
3 Instale la FaceStation 2 en el soporte que fijó.

<table>
<thead>
<tr>
<th>Grosor de la pared</th>
<th>Distancia</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 mm</td>
<td>283 mm</td>
</tr>
<tr>
<td>120 mm</td>
<td>275 mm</td>
</tr>
<tr>
<td>150 mm</td>
<td>260 mm</td>
</tr>
</tbody>
</table>

4 Para conectar la FaceStation 2 al soporte, gire el tornillo de fijación del producto.
NOTA

- Utilice un adaptador de alimentación de CC de 24 V (± 10 %) con un mínimo de 2500 mA con la aprobación de IEC/EN 60950-1. Si desea conectar y utilizar otro dispositivo con el adaptador de la fuente de alimentación, debe utilizar un adaptador con una capacidad de corriente igual o superior al consumo total de energía necesario para el terminal y el otro dispositivo.
- Utilice una fuente de alimentación independiente para Secure I/O 2, la cerradura electrónica y el producto, respectivamente. Si conecta y utiliza la fuente de alimentación para estos dispositivos juntos, los dispositivos podrían funcionar incorrectamente.
- Tenga en cuenta la distancia entre la FaceStation 2 y la fuente de alimentación cuando utilice una fuente de alimentación independiente. La fuente de alimentación se debe instalar lo más cerca posible del dispositivo. Si no está bien conectado, el dispositivo podría funcionar incorrectamente. Se recomienda utilizar cables 16 AWG o 18 AWG si la distancia entre el dispositivo y la fuente de alimentación es demasiado larga. La distancia que se puede conectar podría variar según las especificaciones del cable y del entorno de instalación.

<table>
<thead>
<tr>
<th>Cable estándar</th>
<th>Longitud máxima extendida</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 AWG</td>
<td>150 m</td>
</tr>
<tr>
<td>18 AWG</td>
<td>136 m</td>
</tr>
<tr>
<td>20 AWG</td>
<td>90 m</td>
</tr>
</tbody>
</table>

- NO extienda la longitud del cable de alimentación cuando utilice el adaptador de alimentación (24 V CC [± 10 %], 2,5 A).
- NO utilice el cable UTP CAT5 bifilar para alimentar corriente.
Conexión de red

TCP/IP

Conexión LAN (conexión a un concentrador)
Puede conectar el producto a un concentrador mediante un cable CAT-5e de tipo general.

Conexión LAN (conexión directa a una computadora)
La FaceStation 2 tiene una función MDI/MDIX automática para que se pueda conectar directamente a una computadora mediante un cable recto normal tipo CAT - 5e o un cable cruzado.

NOTA
- Cuando utilice un ruteador o concentrador de red gigabit, consulte la siguiente información.
- Utilice un cable UTP (par trenzado no blindado) Cat5e.
- Utilice los 4 pares (8 líneas) de cable para la conexión de red.
- NO utilice el par de cables para otros fines.
Conexión de entrada TTL

Sensor de la puerta
Botón de la puerta

Protección del cable (opcional)

1 - TTL ENTRADA 0  Rojo
2 - TTL ENTRADA 1  Amarillo
3 - TTL TIERRA  Negro
4 - TIERRA  Gris

FaceStation 2
Conexión del relé

Bloqueo a prueba de fallas
Para utilizar el bloqueo a prueba de fallas, conecte el relé normalmente cerrado como se muestra en la figura siguiente. Normalmente, hay una corriente que fluye a través del relé para el bloqueo a prueba de fallas. Cuando el relé se activa, bloqueando el flujo de corriente, la puerta se abre. Si la fuente de alimentación del producto se corta debido a una falla de la alimentación o a un factor externo, la puerta se abre.

**NOTA**
- Instale un diodo a ambos lados del cable de la cerradura de la puerta como se muestra en la figura para proteger el relé de la corriente inversa, que se produce cuando funciona la cerradura de la puerta.
- Tenga cuidado con la dirección de instalación del diodo. Instale el diodo cerca de la cerradura de la puerta.
- Utilice una fuente de alimentación independiente para la FaceStation 2 y la cerradura de la puerta.

Bloqueo seguro contra fallas
Para utilizar el bloqueo seguro contra fallas, conecte el relé normalmente abierto como se muestra en la figura siguiente. Normalmente no hay flujo de corriente a través del relé para el bloqueo seguro contra fallas. Cuando el relé activa el flujo de corriente, la puerta se abre. Si la fuente de alimentación del producto se corta debido a una falla de la alimentación o a un factor externo, la puerta se bloquea.

**NOTA**
- Instale un diodo a ambos lados del cable de la cerradura de la puerta como se muestra en la figura para proteger el relé de la corriente inversa, que se produce cuando funciona la cerradura de la puerta.
- Tenga cuidado con la dirección de instalación del diodo. Instale el diodo cerca de la cerradura de la puerta.
- Utilice una fuente de alimentación independiente para la FaceStation 2 y la cerradura de la puerta.
Conexión de puerta automática

1 - RELÉ NORMALMENTE ABIERTO  Blanco
2 - RELÉ COM                   Azul
Conexión independiente
La FaceStation 2 se puede conectar directamente a la cerradura de la puerta, al botón de la puerta y al sensor de la puerta sin conectar un dispositivo de E/S independiente.

NOTA
• La FaceStation 2 se puede utilizar para controlar varias puertas con dispositivos esclavos y un cable RS485. Los dispositivos esclavos se utilizan como lectores solamente y la autenticación se realiza en el dispositivo maestro.
• La cantidad máxima de dispositivos esclavos disponibles para conectar varía según el método de autenticación, la cantidad de usuarios y la cantidad de dispositivos. Además, se debe tener en cuenta que la cantidad de dispositivos esclavos afecta la velocidad de autenticación.
• Un dispositivo maestro puede controlar 31 dispositivos esclavos. El ancho de banda de RS485 permite conectar hasta 7 dispositivos de autenticación de huellas dactilares.
• Si el dispositivo de autenticación de la huella dactilar es el dispositivo maestro, la FaceStation 2 no se puede agregar como dispositivo esclavo.
• Si la FaceStation 2 es el dispositivo maestro y ya se agregó un dispositivo esclavo diferente, entonces la FaceStation 2 no se puede agregar como dispositivo esclavo.
• Cuando se conecta la FaceStation 2 como dispositivo esclavo mientras la FaceStation 2 es el dispositivo maestro, solo se puede agregar una FaceStation 2 como dispositivo esclavo.
• Para obtener más información, comuníquese con el equipo de asistencia técnica de Suprema (http://support.supremainc.com).
Conexión a Secure I/O 2

Secure I/O 2 es un dispositivo de E/S que se puede conectar a la FaceStation 2 con el cable RS-485. La seguridad se puede mantener incluso si se pierde la conexión entre la FaceStation 2 y Secure I/O 2 o si se apagó la fuente de alimentación de la FaceStation 2 debido a factores externos.

- Utilice un cable de par trenzado AWG24 con una longitud máxima de 1.2 km para el cable RS-485.
- Si se enlaza con una conexión en cadena RS-485, conecte la resistencia de terminación (120 Ω) a ambos extremos de la conexión en cadena. Si la conexión se realiza a la línea central, el nivel de la señal se reduce y el rendimiento de las comunicaciones se deteriora. Asegúrese de realizar la conexión en ambos extremos de la enlace en cadena.

**NOTA**

- La FaceStation 2 se puede utilizar para controlar varias puertas con dispositivos esclavos y un cable RS485. Los dispositivos esclavos se utilizan como lectores solamente y la autenticación se realiza en el dispositivo maestro.
- La cantidad máxima de dispositivos esclavos disponibles para conectar varía según el método de autenticación, la cantidad de usuarios y la cantidad de dispositivos. Además, se debe tener en cuenta que la cantidad de dispositivos esclavos afecta la velocidad de autenticación.
- Un dispositivo maestro puede controlar 31 dispositivos esclavos. El ancho de banda de RS485 permite conectar hasta 7 dispositivos de autenticación de huellas dactilares.
- Si el dispositivo de autenticación de la huella dactilar es el dispositivo maestro, la FaceStation 2 no se puede agregar como dispositivo esclavo.
- Si la FaceStation 2 es el dispositivo maestro y ya se agregó un dispositivo esclavo diferente, entonces la FaceStation 2 no se puede agregar como dispositivo esclavo.
- Cuando se conecta la FaceStation 2 como dispositivo esclavo mientras la FaceStation 2 es el dispositivo maestro, solo se puede agregar una FaceStation 2 como dispositivo esclavo.
- Para obtener más información, comuníquese con el equipo de asistencia técnica de Suprema (http://support.supremainc.com).
Conexión Wiegand

Utilizar como dispositivo de entrada Wiegand

Lector RFID

1 - WG D0 Verde
2 - WG D1 Blanco
3 - WG TIERRA Negro
4 - TIERRA Gris

Protección del cable (opcional)

FaceStation 2

Utilizar como dispositivo de salida Wiegand

Controlador

1 - WG D0 Verde
2 - WG D1 Blanco
3 - WG TIERRA Negro
4 - TIERRA Gris

Protección del cable (opcional)

FaceStation 2
<table>
<thead>
<tr>
<th>Categoría</th>
<th>Característica</th>
<th>Especificación</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credencial</strong></td>
<td><strong>Opción de RF</strong></td>
<td>• FS2-D: EM de 125 kHz y MIFARE de 13,56 MHz, MIFARE Plus, DESFire/EV1, FeliCa, NFC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• FS2-DS: EM de 125 kHz y MIFARE de 13,56 MHz, MIFARE Plus, DESFire/EV1, CE, FeliCa, NFC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• FS2-AWB: EM de 125 kHz, HID Prox y MIFARE de 13,56 MHz, MIFARE Plus, DESFire/EV1, FeliCa, iCLASS SE/SR/Seos, NFC, BLE</td>
</tr>
<tr>
<td><strong>Rango de lectura de RF</strong></td>
<td>MIFARE/DESFire/iCLASS: 50 mm/EM/HID Prox/Felica: 30 mm, BLE: 50 mm</td>
<td></td>
</tr>
<tr>
<td><strong>LFD</strong></td>
<td><strong>CPU</strong></td>
<td>1,4 GHz Quad Core</td>
</tr>
<tr>
<td><strong>Memoria</strong></td>
<td><strong>Tipo de LCD</strong></td>
<td>Pantalla TFT táctil en color de 4&quot;</td>
</tr>
<tr>
<td></td>
<td><strong>Resolución de LCD</strong></td>
<td>800 x 480</td>
</tr>
<tr>
<td><strong>Sonido</strong></td>
<td><strong>Temperatura de funcionamiento</strong></td>
<td>-20 °C - 50 °C</td>
</tr>
<tr>
<td></td>
<td><strong>Temperatura de almacenamiento</strong></td>
<td>-40 °C - 70 °C</td>
</tr>
<tr>
<td><strong>Humedad de funcionamiento</strong></td>
<td>0 % - 80 %, sin condensación</td>
<td></td>
</tr>
<tr>
<td><strong>Humedad de almacenamiento</strong></td>
<td>0 % - 90 %, sin condensación</td>
<td></td>
</tr>
<tr>
<td><strong>Tipo de cámara</strong></td>
<td><strong>Resolución de la cámara</strong></td>
<td>720 x 480</td>
</tr>
<tr>
<td></td>
<td><strong>Ángulo de la cámara</strong></td>
<td>Lente visual: 92,7° en diagonal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lente de infrarrojos: 58° en diagonal</td>
</tr>
<tr>
<td><strong>Dimensión (ancho x alto x largo)</strong></td>
<td>141 mm x 164 mm x 125 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Peso</strong></td>
<td><strong>Dispositivo</strong>: 628 g</td>
<td>Soporte: 74 g (incluye arandela y tornillo)</td>
</tr>
<tr>
<td></td>
<td><strong>Certificaciones</strong></td>
<td>Compatible, CE, FCC, IC, RoHS, REACH, WEEE</td>
</tr>
<tr>
<td><strong>Capacidad</strong></td>
<td><strong>Máximo de usuarios (1:1)</strong></td>
<td>30,000</td>
</tr>
<tr>
<td></td>
<td><strong>Máximo de usuarios (1:N)</strong></td>
<td>3,000</td>
</tr>
<tr>
<td></td>
<td><strong>Plantilla máxima (1:1)</strong></td>
<td>900,000</td>
</tr>
<tr>
<td></td>
<td><strong>Plantilla máxima (1:N)</strong></td>
<td>90,000</td>
</tr>
<tr>
<td></td>
<td><strong>Máximo de registro de texto</strong></td>
<td>5,000,000</td>
</tr>
<tr>
<td></td>
<td><strong>Registro de imágenes máximo</strong></td>
<td>50,000</td>
</tr>
<tr>
<td><strong>Interfaz</strong></td>
<td><strong>Wi-Fi</strong></td>
<td>Admitida (integrada, IEEE802.11 b/g)</td>
</tr>
<tr>
<td></td>
<td><strong>Ethernet</strong></td>
<td>Admitida (10/100/1000 Mbps, MDI/MDI-X automática)</td>
</tr>
<tr>
<td></td>
<td><strong>RS-485</strong></td>
<td>Maestro o esclavo de 1 canal (seleccionable)</td>
</tr>
<tr>
<td></td>
<td><strong>Wiegand</strong></td>
<td>1 canal de entrada y 1 canal de salida</td>
</tr>
<tr>
<td></td>
<td><strong>Entrada TTL</strong></td>
<td>Entradas de 2 canales</td>
</tr>
<tr>
<td></td>
<td><strong>Relé</strong></td>
<td>1 relé</td>
</tr>
<tr>
<td></td>
<td><strong>USB</strong></td>
<td>USB 2.0 (Maestro)</td>
</tr>
<tr>
<td><strong>Seguridad</strong></td>
<td><strong>Corriente</strong></td>
<td>Compatible</td>
</tr>
<tr>
<td><strong>Corriente</strong></td>
<td><strong>Voltagen</strong>: 24 V CC</td>
<td>Corriente: Máximo 2.5 A</td>
</tr>
<tr>
<td></td>
<td><strong>Entrada del interruptor VIH</strong></td>
<td>Mínimo: 3 V, Máximo: 5 V</td>
</tr>
<tr>
<td><strong>Entrada del interruptor VIL</strong></td>
<td>Máximo: 1 V</td>
<td></td>
</tr>
<tr>
<td><strong>Interruptor de resistencia de polarización</strong></td>
<td>4,7 kΩ (Los puertos de entrada están polarizados con 4,7 kΩ)</td>
<td></td>
</tr>
<tr>
<td><strong>Salida Wiegand VOH</strong></td>
<td>Más de 4.8 V</td>
<td></td>
</tr>
<tr>
<td><strong>Salida Wiegand VOL</strong></td>
<td>Menos de 0.2 V</td>
<td></td>
</tr>
<tr>
<td><strong>Resistencia de polarización de la salida Wiegand</strong></td>
<td>Polarización interna de 1 kΩ</td>
<td></td>
</tr>
<tr>
<td><strong>Relé</strong></td>
<td><strong>Voltagen</strong>: 30 V CC</td>
<td>Corriente: 1 A, máximo 2 A</td>
</tr>
</tbody>
</table>

*El rango de lectura de RF varía de acuerdo con el entorno de instalación.*
Dimensiones

(Unidad: mm)
Información de cumplimiento de la FCC

ESTE DISPOSITIVO CUMPLE CON LA PARTE 15 DEL REGLAMENTO DE LA FCC.
El funcionamiento está sujeto a las siguientes dos condiciones:
(1) Este dispositivo no puede causar interferencia perjudicial, y
(2) Este dispositivo debe aceptar cualquier interferencia recibida, incluidas las interferencias que puedan causar un funcionamiento no deseado.

Nota: Este equipo ha sido probado y cumple con los límites para un dispositivo digital Clase B, en conformidad con la parte 15 del reglamento de la FCC. Estos límites están diseñados para proporcionar una protección razonable contra la interferencia perjudicial en una instalación residencial. Este equipo genera, utiliza y puede irradiar energía de radiofrecuencia y, si no se instala y utiliza de acuerdo con las instrucciones, podría causar interferencias perjudiciales en las comunicaciones de radio. Sin embargo, no hay garantía de que no se produzcan interferencias en una instalación determinada. Si este equipo causa interferencia perjudicial en la recepción de radio o televisión, lo que se puede determinar apagando y encendiendo el equipo, se recomienda al usuario que intente corregir la interferencia mediante una o varias de las siguientes medidas:

- Reoriente o reubique la antena receptora.
- Aumente la separación entre el equipo y el receptor.
- Conecte el equipo a una toma de corriente de un circuito distinto al que está conectado el receptor.
- Consulte al distribuidor o a un técnico experimentado en radio/televisión para obtener ayuda.

Las modificaciones no aprobadas expresamente por el fabricante podrían anular la autoridad del usuario para hacer funcionar el equipo de acuerdo con el reglamento de la FCC.

Este aparato y su antena no se deben ubicar juntos ni se deben operar junto con otras antenas o transmisores. Se debe mantener una distancia mínima de separación de 20 cm entre la antena y las personas para que el aparato cumpla con los requisitos de exposición a RF.

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Para obtener más información, comuníquese con nosotros mediante la siguiente información de contacto.
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Version 3, 29 June 2007
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