# Installation Notes for the Catalyst 2940 Switch Cable Guard

**June 2003**

This installation note provides instructions for installing a cable guard with the Catalyst 2940-8TT-S and 2940-8TF-S switches.

The cable guard secures cables that are installed in a Catalyst 2940 switch and provides extra security against a switch being removed after it is installed.

# Contents

This document has these sections:

# Conventions

This document uses these conventions and symbols for notes, cautions, and warnings:

**Note**      Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

⚠

**Caution**   Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

⚡

**Warning**   **IMPORTANT SAFETY INSTRUCTIONS**

**This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. To see translations of the warnings that appear in this publication, refer to the translated safety warnings that accompanied this device.**

**Note: SAVE THESE INSTRUCTIONS**

**Note: This documentation is to be used in conjunction with the specific product installation guide that shipped with the product. Please refer to the Installation Guide, Configuration Guide, or other enclosed additional documentation for further details.**

**Waarschuwing**   **BELANGRIJKE VEILIGHEIDSINSTRUCTIES**

**Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de hoogte te zijn van de standaard praktijken om ongelukken te voorkomen. Voor een vertaling van de waarschuwingen die in deze publicatie verschijnen, dient u de vertaalde veiligheidswaarschuwingen te raadplegen die bij dit apparaat worden geleverd.**

**Opmerking BEWAAR DEZE INSTRUCTIES.**

**Opmerking Deze documentatie dient gebruikt te worden in combinatie met de installatiehandleiding voor het specifieke product die bij het product wordt geleverd. Raadpleeg de installatiehandleiding, configuratiehandleiding of andere verdere ingesloten documentatie voor meer informatie.**

**Varoitus**   **TÄRKEITÄ TURVALLISUUTEEN LIITTYVIÄ OHJEITA**

**Tämä varoitusmerkki merkitsee vaaraa. Olet tilanteessa, joka voi johtaa ruumiinvammaan. Ennen kuin työskentelet minkään laitteiston parissa, ota selvää sähkökytkentöihin liittyvistä vaaroista ja tavanomaisista onnettomuuksien ehkäisykeinoista. Tässä asiakirjassa esitettyjen varoitusten käännökset löydät laitteen mukana toimitetuista ohjeista.**

**Huomautus SÄILYTÄ NÄMÄ OHJEET**

**Huomautus Tämä asiakirja on tarkoitettu käytettäväksi yhdessä tuotteen mukana tulleen asennusoppaan kanssa. Katso lisätietoja asennusoppaasta, kokoonpano-oppaasta ja muista mukana toimitetuista asiakirjoista.**

**Attention**  IMPORTANTES INFORMATIONS DE SÉCURITÉ

Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant causer des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers posés par les circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents. Pour prendre connaissance des traductions d'avertissements figurant dans cette publication, consultez les consignes de sécurité traduites qui accompagnent cet appareil.

Remarque  CONSERVEZ CES INFORMATIONS

Remarque  Cette documentation doit être utilisée avec le guide spécifique d'installation du produit qui accompagne ce dernier.  Veuillez vous reporter au Guide d'installation, au Guide de configuration, ou à toute autre documentation jointe pour de plus amples renseignements.

**Warnung**  WICHTIGE SICHERHEITSANWEISUNGEN

Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu einer Körperverletzung führen könnte. Bevor Sie mit der Arbeit an irgendeinem Gerät beginnen, seien Sie sich der mit elektrischen Stromkreisen verbundenen Gefahren und der Standardpraktiken zur Vermeidung von Unfällen bewusst. Übersetzungen der in dieser Veröffentlichung enthaltenen Warnhinweise sind im Lieferumfang des Geräts enthalten.

Hinweis  BEWAHREN SIE DIESE SICHERHEITSANWEISUNGEN AUF

Hinweis  Dieses Handbuch ist zum Gebrauch in Verbindung mit dem Installationshandbuch für Ihr Gerät bestimmt, das dem Gerät beiliegt.  Entnehmen Sie bitte alle weiteren Informationen dem Handbuch (Installations- oder Konfigurationshandbuch o. Ä.) für Ihr spezifisches Gerät.

**Figyelem!**  FONTOS BIZTONSÁGI ELÕÍRÁSOK

Ez a figyelmezetõ jel veszélyre utal. Sérülésveszélyt rejtõ helyzetben van. Mielõtt bármely berendezésen munkát végezte, legyen figyelemmel az elektromos áramkörök okozta kockázatokra, és ismerkedjen meg a szokásos balesetvédelmi eljárásokkal. A kiadványban szereplõ figyelmeztetések fordítása a készülékhez mellékelt biztonsági figyelmeztetések között található.

Megjegyzés  ÕRIZZE MEG EZEKET AZ UTASÍTÁSOKAT!

Megjegyzés  Ezt a dokumentációt a készülékhez mellékelt üzembe helyezési útmutatóval együtt kell használni. További tudnivalók a mellékelt Üzembe helyezési útmutatóban (Installation Guide), Konfigurációs útmutatóban (Configuration Guide) vagy más dokumentumban találhatók.

**Avvertenza**  IMPORTANTI ISTRUZIONI SULLA SICUREZZA

Questo simbolo di avvertenza indica un pericolo. La situazione potrebbe causare infortuni alle persone. Prima di intervenire su qualsiasi apparecchiatura, occorre essere al corrente dei pericoli relativi ai circuiti elettrici e conoscere le procedure standard per la prevenzione di incidenti. Per le traduzioni delle avvertenze riportate in questo documento, vedere le avvertenze di sicurezza che accompagnano questo dispositivo.

Nota  CONSERVARE QUESTE ISTRUZIONI

Nota  La presente documentazione va usata congiuntamente alla guida di installazione specifica spedita con il prodotto.  Per maggiori informazioni, consultare la Guida all'installazione, la Guida alla configurazione o altra documentazione acclusa.

**Advarsel**   VIKTIGE SIKKERHETSINSTRUKSJONER

Dette varselssymbolet betyr fare.  Du befinner deg i en situasjon som kan forårsake personskade. Før du utfører arbeid med utstyret, bør du være oppmerksom på farene som er forbundet med elektriske kretssystemer, og du bør være kjent med vanlig praksis for å unngå ulykker. For å se oversettelser av advarslene i denne publikasjonen, se de oversatte sikkerhetsvarslene som følger med denne enheten.

**Merk  TA VARE PÅ DISSE INSTRUKSJONENE**

**Merk  Denne dokumentasjonen skal brukes i forbindelse med den spesifikke installasjonsveiledningen som fulgte med produktet.  Vennligst se installasjonsveiledningen, konfigureringsveiledningen eller annen vedlagt tilleggsdokumentasjon for detaljer.**

**Aviso**   INSTRUÇÕES IMPORTANTES DE SEGURANÇA

Este símbolo de aviso significa perigo. O utilizador encontra-se numa situação que poderá ser causadora de lesões corporais. Antes de iniciar a utilização de qualquer equipamento, tenha em atenção os perigos envolvidos no manuseamento de circuitos eléctricos e familiarize-se com as práticas habituais de prevenção de acidentes. Para ver traduções dos avisos incluídos nesta publicação, consulte os avisos de segurança traduzidos que acompanham este dispositivo.

**Nota  GUARDE ESTAS INSTRUÇÕES**

**Nota  Esta documentação destina-se a ser utilizada em conjunto com o manual de instalação incluído com o produto específico.  Consulte o manual de instalação, o manual de configuração ou outra documentação adicional inclusa, para obter mais informações.**

**¡Advertencia!**   INSTRUCCIONES IMPORTANTES DE SEGURIDAD

Este símbolo de aviso indica peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considere los riesgos de la corriente eléctrica y familiarícese con los procedimientos estándar de prevención de accidentes. Vea las traducciones de las advertencias que acompañan a este dispositivo.

**Nota  GUARDE ESTAS INSTRUCCIONES**

**Nota  Esta documentación está pensada para ser utilizada con la guía de instalación del producto que lo acompaña.  Si necesita más detalles, consulte la Guía de instalación, la Guía de configuración o cualquier documentación adicional adjunta.**

**Varning!**   VIKTIGA SÄKERHETSANVISNINGAR

Denna varningssignal signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanliga förfaranden för att förebygga olyckor. Se översättningarna av de varningsmeddelanden som finns i denna publikation, och se de översatta säkerhetsvarningarna som medföljer denna anordning.

**OBS!  SPARA DESSA ANVISNINGAR**

**OBS!  Denna dokumentation ska användas i samband med den specifika produktinstallationshandbok som medföljde produkten.  Se installationshandboken, konfigurationshandboken eller annan bifogad ytterligare dokumentation för närmare detaljer.**

**Предупреждение** ВАЖНЫЕ СВЕДЕНИЯ ПО БЕЗОПАСНОСТИ

Этот символ предупреждает о наличии опасности. При неправильных действиях возможно получение травм. Перед началом работы с любым оборудованием необходимо ознакомиться с ситуациями, в которых возможно поражение электротоком, и со стандартными действиями для предотвращения несчастных случаев. Переведенный текст предупреждений содержится в соответствующем документе, поставляемом вместе с устройством.

Примечание СОХРАНЯЙТЕ ЭТУ ИНСТРУКЦИЮ
Примечание Эта инструкция должна использоваться вместе с руководством по установке конкретного изделия, входящим в комплект поставки. Дополнительные сведения см. в руководстве по установке, руководстве по настройке и другой документации, поставляемой с изделием.

**警告** 有关安全的重要说明

这个警告符号指有危险。您所处的环境可能使身体受伤。操作设备前必须意识到电流的危险性，务必熟悉操作标准，以防发生事故。如果需要了解本说明中出现的警告符号的译文，请参阅本装置所附之安全警告译文。

注意 保存这些说明
注意 本文件应与本产品附带的具体安装说明一并阅读。如欲了解详情，请参阅《安装说明》、《配置说明》或所附的其他文件。

**警告** 安全上の重要な注意事項

「危険」の意味です。人身事故を予防するための注意事項が記述されています。装置の取り扱い作業を行うときは、電気回路の危険性に注意し、一般的な事故防止対策に留意してください。このマニュアルに記載されている警告の各国語版は、装置に付属の「Translated Safety Warnings」を参照してください。

注 これらの注意事項を保管しておいてください。
注 この資料は、製品に付属のインストレーション ガイドと併用してください。詳細は、インストレーション ガイド、コンフィギュレーション ガイド、または添付されているその他のマニュアルを参照してください。

# Installation

This section describes how to install the cable guard.

# EMC Regulatory Statements

## U.S.A.

U.S. regulatory information for this product is at the back of this document.

## Taiwan

![warning icon]

**Warning**   **This is a Class A Information Product, when used in residential environment, it may cause radio frequency interference, under such circumstances, the user may be requested to take appropriate countermeasures.**

警告    這是甲類資訊產品，在居住環境中使用時，可能會造成射頻干擾，
在這種情況下，使用者會被要求採取某些適當的對策。

## Hungary

![warning icon]

**Warning**   **This equipment is a class A product and should be used and installed properly according to the Hungarian EMC Class A requirements (MSZEN55022). Class A equipment is designed for typical commercial establishments for which special conditions of installation and protection distance are used.**

**Figyelmeztetés**   **Figyelmeztetés a felhasználói kézikönyv számára: Ez a berendezés "A" osztályú termék, felhasználására és üzembe helyezésére a magyar EMC "A" osztályú követelményeknek (MSZ EN 55022) megfeleloen kerülhet sor, illetve ezen "A" osztályú berendezések csak megfelelo kereskedelmi forrásból származhatnak, amelyek biztosítják a megfelelo speciális üzembe helyezési körülményeket és biztonságos üzemelési távolságok alkalmazását.**

# Package Contents

The cable guard is shipped with these items:

*   *Installation Notes for the Catalyst 2940 Switch Cable Guard*
*   Three number-8 Phillips truss-head screws
*   Four number-8 Phillips pan-head, self-tapping screws

![note icon]

**Note**   In some installations, you also need the screw template and three number-8 Phillips pan-head screws. These are included in the accessory kit with the switch.

# Installation Guidelines

Connect all cables to the switch before assembling the switch and cable guard. The switch and cable guard assembly is then mounted on a wall or on or under a desk.

**Note** Cables cannot be connected to the switch after it is attached to the cable guard. For information about connecting devices to the switch, refer to the hardware installation guide.

Before you begin, decide how to mount the cable guard and switch by reviewing these sections:

**Caution** The cable guard is shipped with number-8 Phillips pan-head, self-tapping screws. When installing the switch and cable guard assembly on a wall, you might need to use different types of screws depending on the construction of the wall. For best support of the cable guard and switch assembly, attach the switch securely to a wall stud or to a firmly attached plywood mounting backboard.

## Installing the Switch (Front Panel Facing Down)

To install the switch with the front panel facing down, follow these steps:

**Step 1** Locate the screw template (included in the switch accessory kit). The template is used to align the mounting screw holes and is also used as a guide to make sure that the screws are installed in the wall with proper clearance.

**Step 2** Position the screw template so that the two side-by-side slots face toward the floor, as shown in Figure 1. For the best support of the switch and cable guard, make sure the switch and cable guard are attached securely to a wall stud or to a firmly attached plywood mounting backboard.

*Figure 1      Installing the Mounting Screws on a Wall*
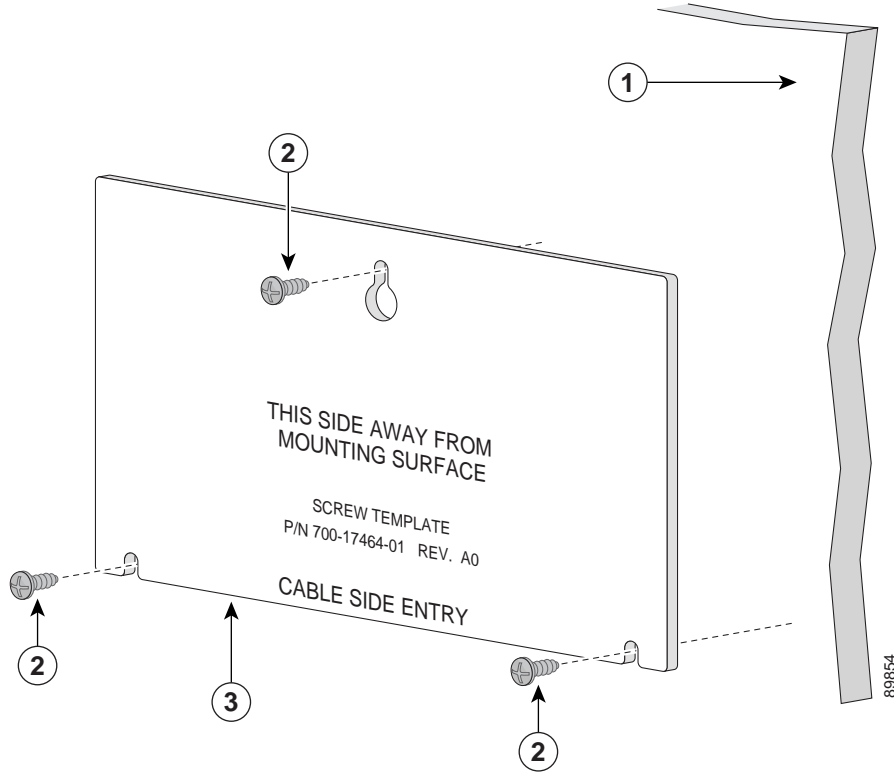


| 1 | Wall |
| 2 | Screws |
| 3 | Screw template |

**Step 3**   Peel the adhesive strip off the bottom of the screw template.

**Step 4**   Attach the screw template to the wall.

**Step 5**   Use a 0.144-in. (3.7 mm) or a #27 drill bit to drill three 1/2-in. (12.7 mm) holes in the wall, using the screw template slots for alignment.

**Step 6**   Insert the three number-8 Phillips pan-head screws in the slots on the screw template, and tighten until they touch the top of the screw template.

⚠
**Caution**   You might need to use different types of screws depending on the construction of the wall. For best support of the cable guard and switch assembly, attach the switch securely to a wall stud or to a firmly attached plywood mounting backboard.

**Step 7**   Remove the screw template from the wall.

**Step 8**   Attach the cables to the switch, as shown in Figure 2. For information about devices that can be connected to the switch, refer to the hardware installation guide.
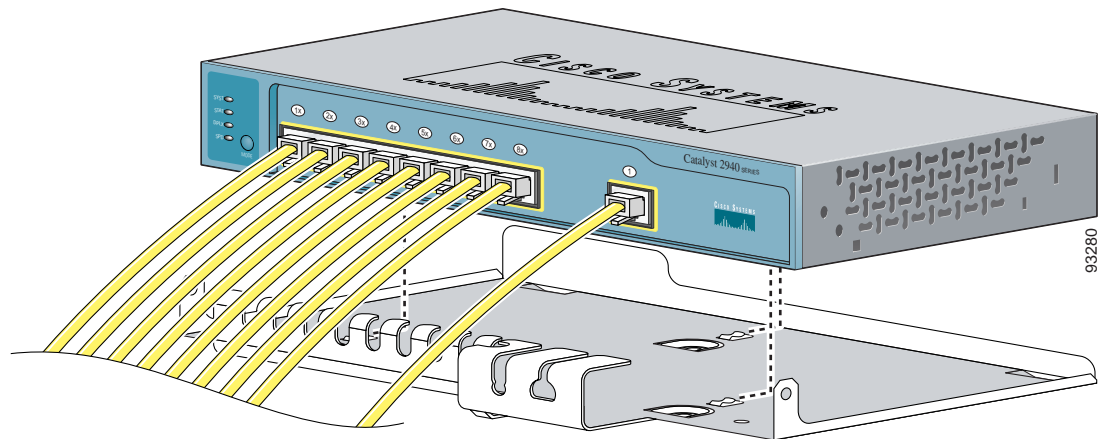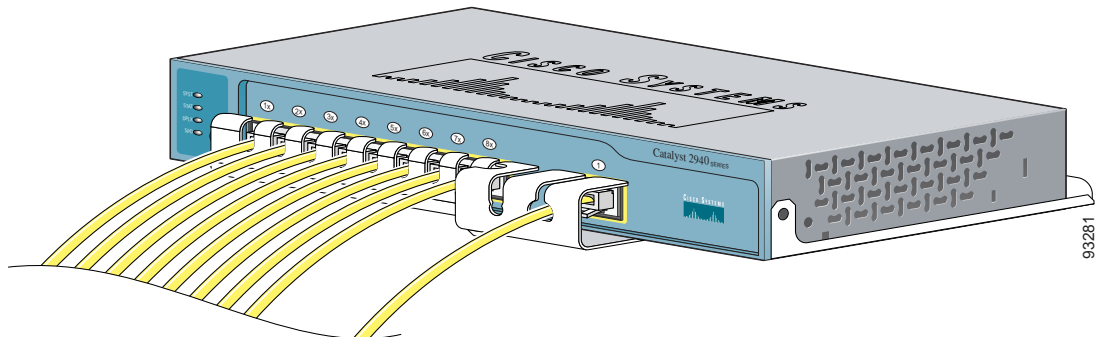
*Figure 2*    ***Attaching Cables to the Switch***
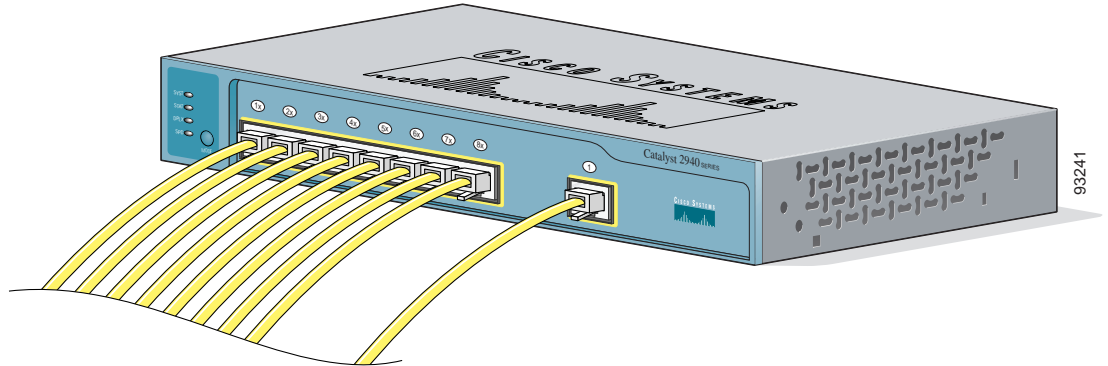


**Step 9**    Slide the switch into the cable guard, as shown in Figure 3, ensuring that all connected cables are routed through the slots in the front of the cable guard. Three hooks on the top of the cable guard secure the bottom of the switch against the cable guard.

*Figure 3*    ***Sliding Switch into Cable Guard***



**Step 10**    Guide the connected cables through the slots in the front of the cable guard. The completed switch and cable guard assembly is shown in Figure 4.

*Figure 4*    ***Cables Routed Through Slots In Cable Guard***

**Step 11** Use two of the included number-8 Phillips truss-head screws to attach the front of the cable guard to the switch, as shown in Figure 5.

*Figure 5      Attaching Front Mounting Screws to the Switch*
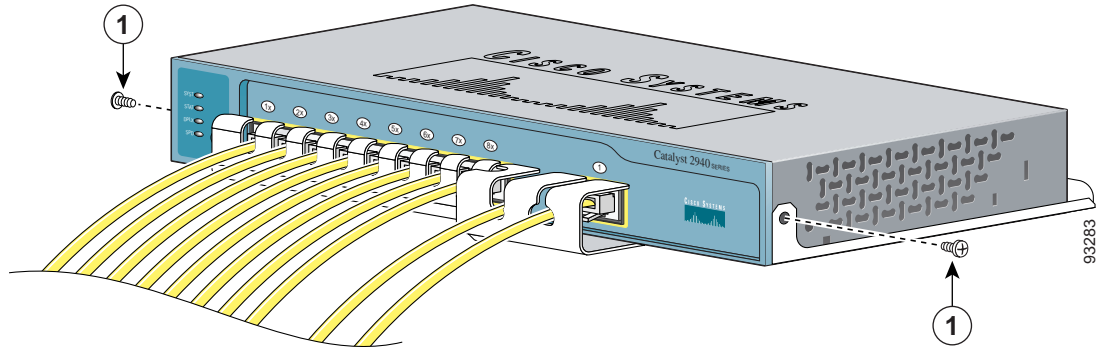


**Step 12** (Optional) Use the third number-8 Phillips truss-head supplied screw to attach the bottom of the switch to the cable guard, as shown in Figure 6. This optional screw helps prevent the switch from being easily removed from the cable guard.

*Figure 6      (Optional) Attaching Screw to Bottom of Switch*
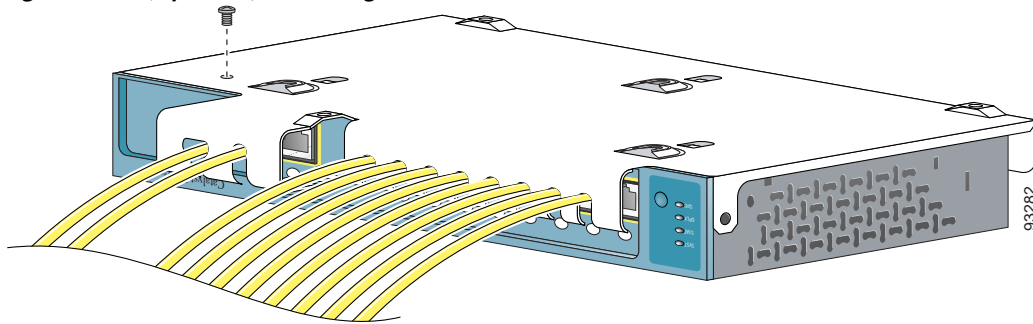


Slide the assembled cable guard and switch onto the three mounting screws, as shown in Figure 7.
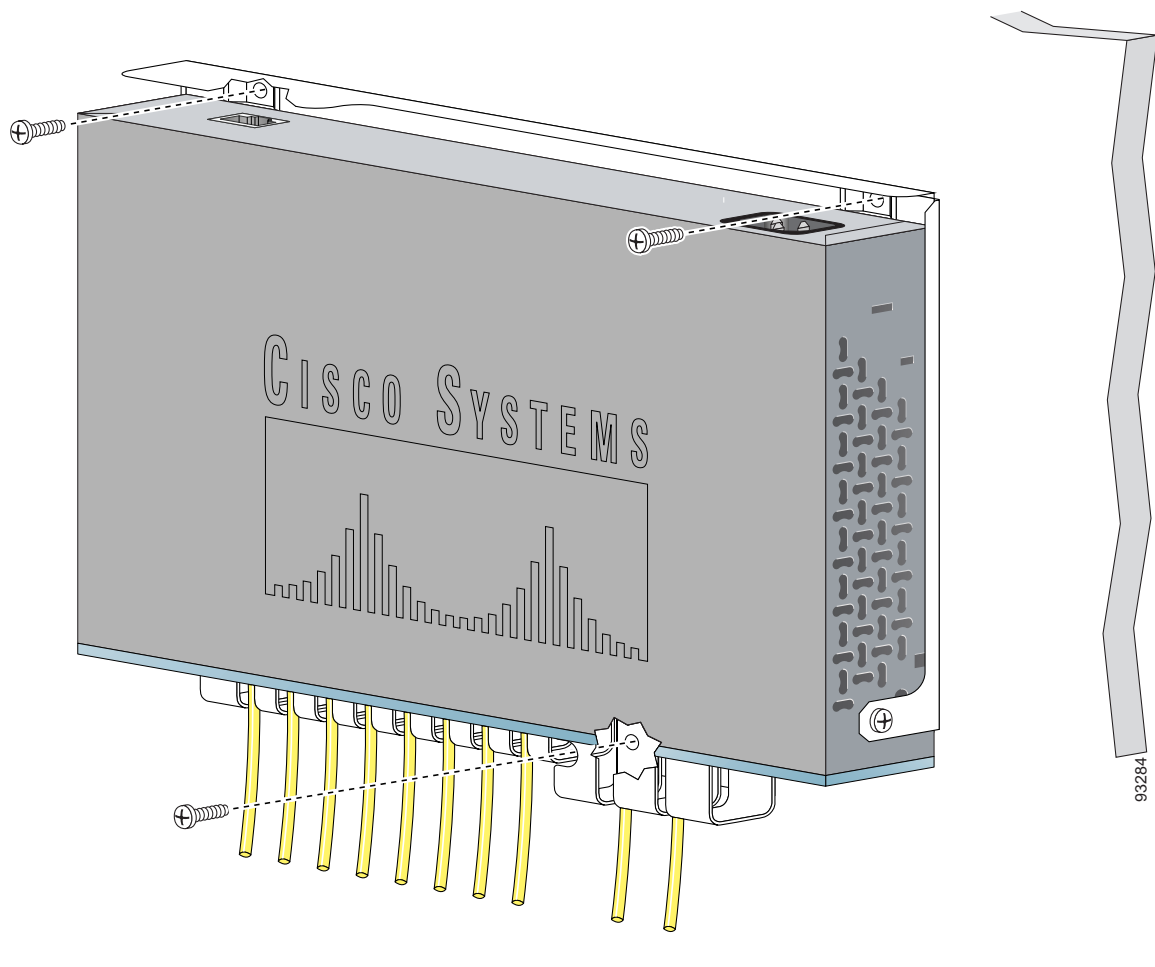
*Figure 7    Installing Cable Guard and Switch*
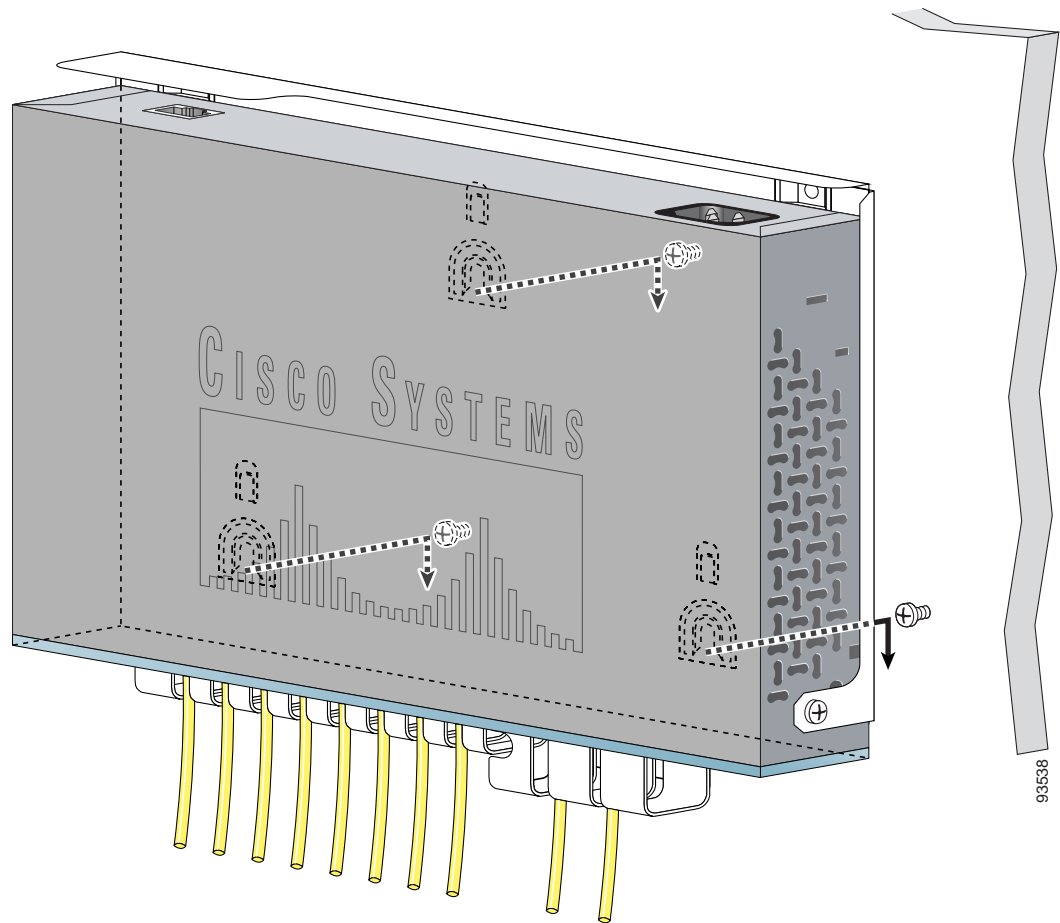


**Step 13**    (Optional) Use the three of the number 8-18 Phillips pan-head screws supplied screws to further secure the cable guard and switch on the wall, as shown in Figure 8.

✎

**Note**    You can use the three number-8 Phillips pan-head screws that are included in the switch accessory kit for this step.

*Figure 8      Mounting Switch on Wall*



## Installing the Switch (Front Panel Facing Up)

You can install the cable guard and switch with the front panel facing up. Follow the same steps in the "Installing the Switch (Front Panel Facing Down)" section on page 7 with these changes:

- Do not use the screw template, and do not install the wall mount screws as described in Step 1 through Step 7.

- Install the three number 8 Phillips pan-head screws to mount the switch and cable guard assembly, as described in Step 13. This step is not optional when the switch is installed with the front panel facing up.

## Installing the Switch On or Under a Desk

You can install the cable guard and switch on or under a desk. Follow the same steps in the "Installing the Switch (Front Panel Facing Down)" section on page 7, but use the screw template to install the mounting screws on or under the desk instead of on a wall.

## Installing the Cable Guard with a Previously-Installed Switch

You can install the cable guard with a previously installed switch:

- If you are mounting the cable guard and switch assembly with the front panel facing *down*, use the same three mounting screws that are already installed in the wall and go to Step 9.

**Note** You might need to turn the wall-mounted screws 1/4 turn counterclockwise before mounting the switch and cable guard assembly on the wall (the cable guard is made of thicker material than the switch chassis.)

- If you are mounting the cable guard and switch assembly with the front panel facing *up*, remove the wall-mounted screws and then see the installation guidelines in the "Installing the Switch (Front Panel Facing Down)" section on page 7.

# Related Documentation

These documents provide complete information about the switch and are available from this URL:

http://www.cisco.com/univercd/cc/td/doc/product/lan/cat2940/index.htm

For hardware information about the Catalyst 2940 switches, refer to the *Catalyst 2940 Switch Hardware Installation Guide* (order number DOC-78-1543501=)

For software information for the Catalyst 2940 switches, refer to these documents:

- *Catalyst 2940 Switch Software Configuration Guide* (order number DOC-7815507=)
- *Catalyst 2940 Switch Command Reference* (order number DOC-785505=)
- *Catalyst 2940 Switch System Message Guide* (order number DOC-7815504=)
- Cluster Management Suite (CMS) online help (available only from the switch CMS software)
- *Release Notes for the Catalyst 2940 Switch* (not orderable but is available on Cisco.com)

For other information about related products, refer to the *Installation Notes for the Catalyst Family Small Form-Factor Pluggable Modules* (order number DOC-7815160=)

You can order printed copies of documents with a DOC-xxxxxxx= number.

# Where to Go Next

For further information about installing the switches, refer to the hardware installation guide.

For information about configuring the switches, refer to the software configuration guide and the command reference.

# Obtaining Documentation

Cisco provides several ways to obtain documentation, technical assistance, and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

# Cisco.com

You can access the most current Cisco documentation on the World Wide Web at this URL:

http://www.cisco.com/univercd/home/home.htm

You can access the Cisco website at this URL:

http://www.cisco.com

You can access international Cisco websites from this URL:

http://www.cisco.com/public/countries_languages.shtml

# Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which may have shipped with your product. The Documentation CD-ROM is updated regularly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual or quarterly subscription.

Registered Cisco.com users can order a single Documentation CD-ROM (product number DOC-CONDOCCD=) through the Cisco Ordering tool:

http://www.cisco.com/en/US/partner/ordering/ordering_place_order_ordering_tool_launch.html

All users can order monthly or quarterly subscriptions through the online Subscription Store:

http://www.cisco.com/go/subscription

# Ordering Documentation

You can find instructions for ordering documentation at this URL:

http://www.cisco.com/univercd/cc/td/doc/es_inpck/pdi.htm

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Networking Products MarketPlace:

  http://www.cisco.com/en/US/partner/ordering/index.shtml

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, U.S.A.) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

# Documentation Feedback

You can submit comments electronically on Cisco.com. On the Cisco Documentation home page, click **Feedback** at the top of the page.

You can e-mail your comments to bug-doc@cisco.com.

You can submit comments by using the response card (if present) behind the front cover of your document or by writing to the following address:

Cisco Systems
Attn: Customer Document Ordering
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

# Obtaining Technical Assistance

Cisco provides Cisco.com, which includes the Cisco Technical Assistance Center (TAC) website, as a starting point for all technical assistance. Customers and partners can obtain online documentation, troubleshooting tips, and sample configurations from the Cisco TAC website. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC website, including TAC tools and utilities.

## Cisco.com

Cisco.com offers a suite of interactive, networked services that let you access Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

Cisco.com provides a broad range of features and services to help you with these tasks:

- Streamline business processes and improve productivity
- Resolve technical issues with online support
- Download and test software packages
- Order Cisco learning materials and merchandise
- Register for online skill assessment, training, and certification programs

To obtain customized information and service, you can self-register on Cisco.com at this URL:

http://tools.cisco.com/RPF/register/register.do

## Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two types of support are available: the Cisco TAC website and the Cisco TAC Escalation Center. The type of support that you choose depends on the priority of the problem and the conditions stated in service contracts, when applicable.

We categorize Cisco TAC inquiries according to urgency:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration. There is little or no impact to your business operations.
- Priority level 3 (P3)—Operational performance of the network is impaired, but most business operations remain functional. You and Cisco are willing to commit resources during normal business hours to restore service to satisfactory levels.

- Priority level 2 (P2)—Operation of an existing network is severely degraded, or significant aspects of your business operations are negatively impacted by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

- Priority level 1 (P1)—An existing network is "down," or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

## Cisco TAC Website

The Cisco TAC website provides online documents and tools to help troubleshoot and resolve technical issues with Cisco products and technologies. To access the Cisco TAC website, go to this URL:

http://www.cisco.com/tac

All customers, partners, and resellers who have a valid Cisco service contract have complete access to the technical support resources on the Cisco TAC website. Some services on the Cisco TAC website require a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to this URL to register:

http://tools.cisco.com/RPF/register/register.do

If you are a Cisco.com registered user, and you cannot resolve your technical issues by using the Cisco TAC website, you can open a case online at this URL:

http://www.cisco.com/tac/caseopen

If you have Internet access, we recommend that you open P3 and P4 cases online so that you can fully describe the situation and attach any necessary files.

## Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses priority level 1 or priority level 2 issues. These classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer automatically opens a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to this URL:

http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml

Before calling, please check with your network operations center to determine the Cisco support services to which your company is entitled: for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). When you call the center, please have available your service agreement number and your product serial number.

# Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- The *Cisco Product Catalog* describes the networking products offered by Cisco Systems, as well as ordering and customer support services. Access the *Cisco Product Catalog* at this URL:

    http://www.cisco.com/en/US/products/products_catalog_links_launch.html

- Cisco Press publishes a wide range of networking publications. Cisco suggests these titles for new and experienced users: *Internetworking Terms and Acronyms Dictionary, Internetworking Technology Handbook, Internetworking Troubleshooting Guide,* and the *Internetworking Design Guide.* For current Cisco Press titles and other information, go to Cisco Press online at this URL:

  http://www.ciscopress.com

- *Packet* magazine is the Cisco quarterly publication that provides the latest networking trends, technology breakthroughs, and Cisco products and solutions to help industry professionals get the most from their networking investment. Included are networking deployment and troubleshooting tips, configuration examples, customer case studies, tutorials and training, certification information, and links to numerous in-depth online resources. You can access *Packet* magazine at this URL:

  http://www.cisco.com/go/packet

- iQ Magazine is the Cisco bimonthly publication that delivers the latest information about Internet business strategies for executives. You can access iQ Magazine at this URL:

  http://www.cisco.com/go/iqmagazine

- Internet Protocol Journal is a quarterly journal published by Cisco Systems for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the Internet Protocol Journal at this URL:

  http://www.cisco.com/en/US/about/ac123/ac147/about_cisco_the_internet_protocol_journal.html

- Training—Cisco offers world-class networking training. Current offerings in network training are listed at this URL:

  http://www.cisco.com/en/US/learning/le31/learning_recommended_training_list.html

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The following information is for FCC compliance of Class A devices: 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 users will be required to correct the interference at their own expense.

The following information is for FCC compliance of Class B devices: The equipment described in this manual generates and may radiate radio-frequency energy. If it is not installed in accordance with Cisco's installation instructions, it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in part 15 of the FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

Modifying the equipment without Cisco's written authorization may result in the equipment no longer complying with FCC requirements for Class A or Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

You can determine whether your equipment is causing interference by turning it off. If the interference stops, it was probably caused by the Cisco equipment or one of its peripheral devices. If the equipment causes interference to radio or television reception, try to correct the interference by using one or more of the following measures:

• Turn the television or radio antenna until the interference stops.

• Move the equipment to one side or the other of the television or radio.

• Move the equipment farther away from the television or radio.

• Plug the equipment into an outlet that is on a different circuit from the television or radio. (That is, make certain the equipment and the television or radio are on circuits controlled by different circuit breakers or fuses.)

Modifications to this product not authorized by Cisco Systems, Inc. could void the FCC approval and negate your authority to operate the product.

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