

SI-RF Non-Contact RF Safety Switch



Product Overview



For complete technical information about this product, including installation instructions, application requirements and guidelines, technical specifications, and accessories, go to www.bannerengineering.com and search for the instruction manual, p/n 208885.

- Sensor - Actuator pair with Unique, High and Low code options
- One SI-RF Safety Switch will meet Cat 4, PL e, or SIL CL 3 safety ratings
- Series connection of up to 32 sensors, maintaining the highest levels of safety
- Diagnostic options include In-Series Diagnostic (ISD) bussed signals and on-sensor LED codes
- PNP auxiliary outputs on select models indicate door status
- Protection class rating of IP69

Models

Model	Device	SI-RF Models			
		Coding	Diagnostics	Reset	Connector
SI-RFST-UP8	Sensor	Unique	Series PNP	Automatic	250 mm cable with an 8-pin M12 quick disconnect
SI-RFST-HP8		High			
SI-RFST-LP8		Low			
SI-RFSL-UP8		Unique		Manual	
SI-RFSL-HP8		High			
SI-RFSL-LP8		Low			
SI-RFDT-UP8		Unique	In-Series Diagnostic (ISD)	Automatic	250 mm cable with an 8-pin M12 quick disconnect
SI-RFDT-HP8		High			
SI-RFDT-LP8		Low			
SI-RFDL-UP8		Unique		Manual	
SI-RFDL-HP8		High			
SI-RFDL-LP8		Low			
SI-RFPT-U2M		Unique	Single PNP	Automatic	2 m cable
SI-RFPT-H2M		High			
SI-RFPT-L2M		Low			
SI-RFPT-UP5		Unique			250 mm cable with an 5-pin M12 quick disconnect
SI-RFPT-HP5		High			
SI-RFPT-LP5		Low			
SI-RF-A	Actuator	Actuator/target for all switches			
SI-RF-A2		Low Profile Actuator/target for all switches			

In addition to the SI-RF sensor, a basic SI-RF system requires an actuator, a cable, and a safety monitoring device.

To order a 250 mm cable unit with a stainless steel connector, add a **CR** after the **P8** or **P5**. For example, **SI-RFDT-UP8** becomes **SI-RFDT-UP8CR**. Contact Banner Engineering for availability.

Contact Us

Banner Engineering Corp. headquarters is located at:
 9714 Tenth Avenue North
 Minneapolis, MN 55441, USA
 Phone: + 1 888 373 6767

For worldwide locations and local representatives, visit www.bannerengineering.com.

Responsibilities of Qualified Personnel

To access the SI-RF Radio Frequency Safety Switch instruction manual (p/n 208885):

- Go to www.bannerengineering.com/si-rf to download the manual in the language you require; or
- Call Banner at 1-888-373-6767 or call your local Banner Representative to request a manual



WARNING:

It is the responsibility of the Qualified Personnel to:

- Carefully read, understand, and follow the information in the SI-RF Safety Switch instruction manual
- Perform a risk assessment of the specific machine guarding application
- Determine what risk reduction measures are appropriate per the results of the risk assessment
- Properly install, configure, and then verify that the risk reduction measures are working as intended
- Periodically re-verify, as needed, that the risk reduction measures are working as intended

Failure to follow any of these responsibilities may potentially create a dangerous condition that could lead to serious injury or death.



Pour accéder au manuel d'utilisation SI-RF Radio Frequency Safety Switch (réf. 208885) :

- Rendez-vous sur le site www.bannerengineering.com/si-rf pour télécharger le manuel dans la langue de votre choix, ou
- Contactez Banner au 1-888-373-6767 ou appelez votre représentant Banner local pour demander le manuel.



WARNING:

Il incombe au personnel qualifié de:

- Lire avec attention, bien comprendre et suivre les instructions du manuel du système SI-RF Safety Switch
- Effectuer une évaluation des risques de l'application de protection spécifique à la machine
- Identifier les mesures de limitation du risque appropriées en fonction des résultats de l'étude de risques
- Installer et configurer correctement le ou les dispositifs de protection destinés à limiter le risque puis vérifier qu'ils fonctionnent de la façon prévue
- Révérer périodiquement, s'il y a lieu, que ces dispositifs de protection fonctionnent toujours comme il se doit

Le non-respect de l'une de ces responsabilités peut potentiellement créer une condition dangereuse pouvant entraîner des blessures graves, voire mortelles.

So beziehen Sie die Bedienungsanleitung für den SI-RF Radio Frequency Safety Switch (Ident-Nr. 208885):

- Laden Sie die Anleitung in der gewünschten Sprache von unserer Website (www.bannerengineering.com/si-rf) herunter oder
- fordern Sie die Anleitung telefonisch bei der Banner-Hotline unter der Rufnummer +1-888-373-6767 oder bei einer Banner-Vertretung in Ihrer Nähe an.



WARNING:

Es liegt in der Verantwortung des qualifizierten Personals,

- Die Informationen in der Anleitung für den SI-RF Safety Switch gründlich durchzulesen, zu verstehen und zu befolgen
- Eine Risikobeurteilung der spezifischen Maschinenschutzanwendung durchzuführen
- Ermitteln, welche Maßnahmen zur Risikominderung aufgrund der Ergebnisse der Risikobeurteilung angemessen sind
- Das gesamte Schutzsystem fachgerecht installieren, konfigurieren und anschließend auf die bestimmungsgemäße Funktion überprüfen
- Je nach Bedarf regelmäßig nachprüfen, ob die Maßnahmen zur Risikominderung wie beabsichtigt funktionieren

Die Nichtbeachtung einer dieser Verantwortlichkeiten kann zu gefährlichen Zuständen führen, die zu schweren oder tödlichen Verletzungen führen können.

Per accedere al manuale di istruzioni dello SI-RF Radio Frequency Safety Switch (codice 208885):

- Andare al sito www.bannerengineering.com/si-rf per scaricare il manuale nella lingua desiderata; oppure
- Contattare Banner al numero telefonico 1-888-373-6767 oppure il rappresentante Banner locale per richiedere un manuale



WARNING:

È responsabilità della Personale Qualificato:

- Leggere attentamente, assicurarsi di avere compreso e seguire le indicazioni riportate nel manuale di istruzioni del SI-RF Safety Switch
- Eseguire una valutazione dei rischi dell'applicazione di protezione della macchina specifica
- Determinare quali misure di riduzione del rischio sono appropriate in base ai risultati della valutazione del rischio
- Installare e configurare correttamente il sistema, quindi verificare che le misure di riduzione del rischio assicurino i risultati previsti
- Ricontrollare periodicamente, in base alla necessità, che tali misure di riduzione del rischi continuino ad assicurare i risultati previsti

La mancata osservanza di una qualsiasi di queste responsabilità può potenzialmente creare una condizione pericolosa che potrebbe causare lesioni gravi o mortali.

Para obtener el manual de instrucciones del SI-RF Radio Frequency Safety Switch (p/n 208885):

- Visite www.bannerengineering.com/si-rf para descargar el manual en el idioma que necesite; o
- Llame a Banner al 1-888-373-6767 o llame a su representante local de Banner para solicitar un manual



WARNING:

Es responsabilidad del personal calificado:

- Leer con atención, entender y seguir la información en el manual de instrucciones de la SI-RF Safety Switch
- Realizar una evaluación de riesgos que incluya la aplicación de protección de la máquina específica
- Determinar qué medidas de reducción de riesgos son apropiadas según los resultados de la evaluación de riesgos
- Instale, configure y luego verifique correctamente que las medidas de reducción de riesgos funcionan según lo previsto
- Vuelva a verificar periódicamente, según sea necesario, que las medidas de reducción de riesgos funcionan según lo previsto

El incumplimiento de cualquiera de estas responsabilidades puede crear potencialmente una condición peligrosa que podría provocar lesiones graves o la muerte.