

## Product Description

The SI-RFA Diagnostic Module acts as an interface to provide the user with serial data from Banner In-Series Diagnostic (ISD) enabled devices across various interfaces (IO-Link, USB, and PNP output).



**CAUTION:** The SI-RFA Diagnostic Module is not a safety device. This device supplies status information that is not relevant to safety.



Figure 1. SI-RFA-DM1



Figure 2. SI-RFA-DM2

- Comprehensive diagnostic information for each device and for the entire system (chain of devices)
- Easily retrievable diagnostic data
- Time and cost savings during commissioning, maintenance and fault investigation
- Protection against unexpected machine stops through pre-fault detection
- Diagnostic module can provide the diagnostic information as follows:
  - Directly via IO-Link or an IO-Link Master with gateway
  - Via a laptop with USB interface (model SI-RFA-DM1 only)
- Basic information, such as safety input and safety output status, can be quickly obtained
- Extended diagnostic information and fault information can also be obtained as needed

## Models

Model	Output	Interface
SI-RFA-DM1	8 digital outputs; 1 diagnostic circuit	IO-Link and USB 2.0
SI-RFA-DM2	1 diagnostic circuit	IO-Link

Use the SI-RFA Diagnostic Module in conjunction with a chain of Banner ISD-enabled products and a Safety Monitoring device. To obtain the diagnostic information via USB from the SI-RFA-DM1, download the USB In-Series Diagnostic software from [www.bannerengineering.com/si-rf](http://www.bannerengineering.com/si-rf).

For complete technical information about this product, including installation instructions, application requirements and guidelines, technical specifications, and accessories, go to [www.bannerengineering.com](http://www.bannerengineering.com) and search for the instruction manual (p/n 209882).



### WARNING:

- **The SI-RFA Diagnostic Module only provides status information**, such as which gate is open.
- **Failing to include a Safety Monitoring device in the circuit may create a dangerous condition that may lead to serious injury or death.**
- A Safety Monitoring device is required to provide the safety function.



### WARNING:

- Le SI-RFA Diagnostic Module propose uniquement des informations d'état, par exemple pour indiquer quelle porte est ouverte.
- **Ne pas inclure un dispositif de surveillance de la sécurité dans le circuit peut provoquer un risque susceptible d'entraîner des blessures graves, voire mortelles.**
- Un dispositif de surveillance de la sécurité est indispensable pour assurer la fonction de sécurité.



### WARNING:

- Das SI-RFA Diagnostic Module liefert nur Statusinformationen, z. B. darüber, welche Tür geöffnet ist.
- **Wenn keine Vorrichtung zur Sicherheitsüberwachung in die Schaltung eingebaut wird, kann möglicherweise eine Gefahrensituation entstehen, die zu schweren oder tödlichen Verletzungen führen kann.**
- Für einen funktionierenden Schutz ist eine Vorrichtung zur Sicherheitsüberwachung erforderlich.



**WARNING:**

- Il SI-RFA Diagnostic Module fornisce solo informazioni di stato, ad esempio quale cancello è aperto.
- **La mancata inclusione del dispositivo di monitoraggio di sicurezza nel circuito determina una condizione di pericolo che può comportare gravi lesioni o morte.**
- Per garantire la funzione di sicurezza, è necessario un dispositivo di monitoraggio di sicurezza.

**WARNING:**

- El SI-RFA Diagnostic Module solo proporciona información de estado, por ejemplo, cuál puerta está abierta.
- **No incluir un dispositivo de monitoreo de seguridad en el circuito puede crear una condición peligrosa como causar lesiones graves o la muerte.**
- Se necesita un dispositivo de Control de Seguridad para proporcionar la función de seguridad.