Features



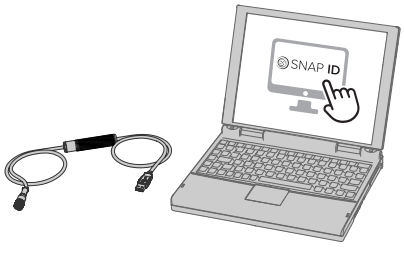
- Compact bimodal to Modbus® device converter that connects discrete inputs and outputs the value
- Outputs a discrete value as an input to a defined Modbus register
- Discrete input/output can be independently configured as NPN or PNP
- Rugged overmolded design meets IP65, IP67, and IP68
- Connects directly to a sensor or anywhere in-line for ease of use

Models

Housing	Function	-	Female Port	-	Male Port	Connector
S15	**C**	**-**	**B22**	**-**	**M**	**Q**
	C = Converter		B22 = Bimodal, two inputs, two outputs		M = Modbus®	Q = Integral M12 male / female quick-disconnect connector

Configuration Instructions

SNAP SIGNAL® Configuration Software



Banner's SNAP SIGNAL® Configuration Software offers an easy way to configure and demonstrate Banner Modbus devices.

Users have full control of device configuration, the ability to visualize device data, and to demonstrate device features. The easy-to-use software provides a variety of tools and works with Banner Modbus devices.

Download the free SNAP SIGNAL Configuration Software at https://www.bannerengineering.com/sg/en/products/software/snap-signal-configuration-software.html .

For instructions on how to use the software to configure Modbus devices, use the SNAP SIGNAL Configuration Software Instruction Manual available from the software by going to **Help › Documentation**. The SNAP SIGNAL Configuration Software Instruction Manual can also be downloaded directly from www.bannerengineering.com.

Original Instructions
20-Jul-26

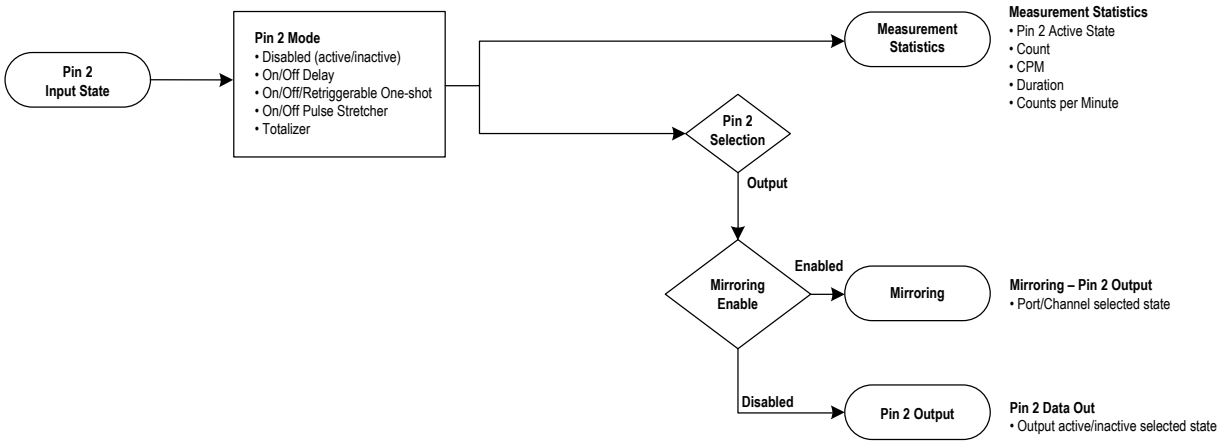
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223063
p/n: 223063 Rev. G

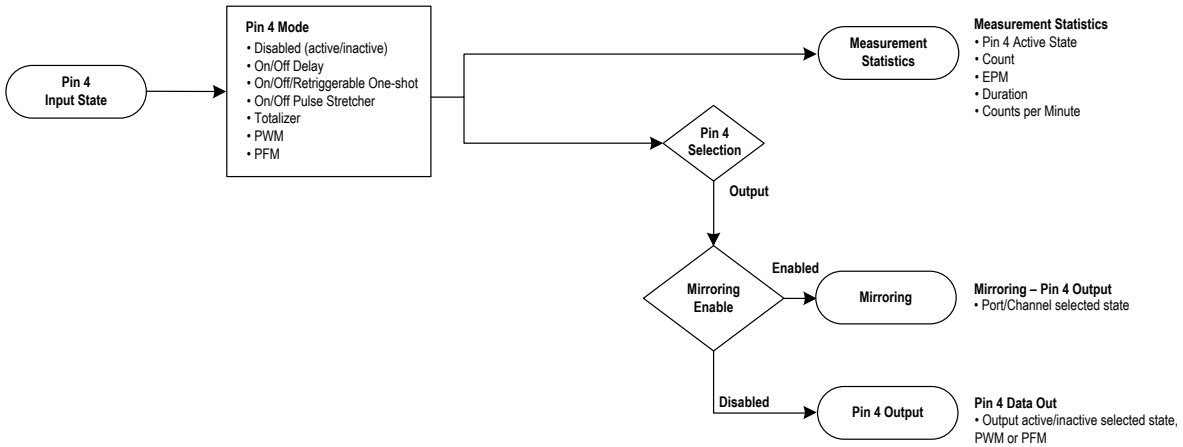
ПРОМЭЛЕКТРОНИКА/ sales@prom-elec.com

Modbus Configuration

Pin 2 Logic Flow



Pin 4 Logic Flow



Measurement Reads

Modbus Register Address	Description	I/O Range	Comments	Default	Access	Notes
40001	Pin 4 Active State	0..1	0 = Inactive, 1 = Active	—	RO	—
40002	Pin 2 Active State	0..1	0 = Inactive, 1 = Active	—	RO	—
40003	Pin 4 Count Higher (H)	0..65535	Pin 4 Count Value Upper	—	RO	Upper 16 of 32 bits = Running count of the received input pulses
40004	Pin 4 Count Lower (L)	0..65535	Pin 4 Count Value Lower	—	RO	Lower 16 of 32 bits = Running count of the received input pulses
40005	Pin 4 Duration H	0..65535	Pin 4 Duration Value Upper	—	RO	Upper 16 of 32 bits = Duration of the last input pulse in µs with 50 µs granularity
40006	Pin 4 Duration L	0..65535	Pin 4 Duration Value Lower	—	RO	Lower 16 of 32 bits = Duration of the last input pulse in µs with 50 µs granularity
40007	Pin 4 Events Per Minute H	0..65535	Pin 4 Events Per Minute Value Upper	—	RO	Upper 16 of 32 bits = Instantaneous rate counter in the units of events per minute Range 1 to 300,000 Max Counter Input Frequency: 5 kHz

Continued on page 3

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Continued from page 2

Modbus Register Address	Description	I/O Range	Comments	Default	Access	Notes
40008	Pin 4 Events Per Minute L	0..65535	Pin 4 Events Per Minute Value Lower	—	RO	Lower 16 of 32 bits = Instantaneous rate counter in the units of events per minute Range 1 to 300,000 Max Counter Input Frequency: 5 kHz
40009	Pin 4 Totalizer Count H	0..65535	Pin 4 Totalizer Count Upper	—	RO	Upper 16 of 32 bits = Totalizer Count
40010	Pin 4 Totalizer Count L	0..65535	Pin 4 Totalizer Count Lower	—	RO	Lower 16 of 32 bits = Totalizer Count
40011	Pin 2 Count H	0..65535	Pin 2 Count Value Upper	—	RO	Upper 16 of 32 bits = Running count of the received input pulses
40012	Pin 2 Count L	0..65535	Pin 2 Count Value Lower	—	RO	Lower 16 of 32 bits = Running count of the received input pulses
40013	Pin 2 Duration H	0..65535	Pin 2 Duration Value Upper	—	RO	Upper 16 of 32 bits = Duration of the last input pulse in µs with 50 µs granularity
40014	Pin 2 Duration L	0..65535	Pin 2 Duration Value Lower	—	RO	Lower 16 of 32 bits = Duration of the last input pulse in µs with 50 µs granularity
40015	Pin 2 Events Per Minute H	0..65535	Pin 2 Events Per Minute Value Upper	—	RO	Upper 16 of 32 bits = Instantaneous rate counter in the units of events per minute Range: 1 to 300,000 Max Counter Input Frequency: 5 kHz
40016	Pin 2 Events Per Minute L	0..65535	Pin 2 Events Per Minute Value Lower	—	RO	Lower 16 of 32 bits = Instantaneous rate counter in the units of events per minute Range: 1 to 300,000 Max Counter Input Frequency: 5 kHz
40017	Pin 2 Totalizer Count H	0..65535	Pin 2 Totalizer Count Upper	—	RO	Upper 16 of 32 bits = Totalizer Count
40018	Pin 2 Totalizer Count L	0..65535	Pin 2 Totalizer Count Lower	—	RO	Lower 16 of 32 bits = Totalizer Count
40019	Pin 4 Counts per Minute H	0..65535	Pin 4 Counts per Minute Value Upper	—	RO	Upper 16 of 32 bits = Rolling count per minute average Range: 1 to 300,000 Max Counter Input Frequency: 5 kHz
40020	Pin 4 Counts per Minute L	0..65535	Pin 4 Counts per Minute Value Lower	—	RO	Lower 16 of 32 bits = Rolling count per minute average Range: 1 to 300,000 Max Counter Input Frequency: 5 kHz
40021	Pin 2 Counts per Minute H	0..65535	Pin 2 Counts per Minute Value Upper	—	RO	Upper 16 of 32 bits = Rolling count per minute average Range: 1 to 300,000 Max Counter Input Frequency: 5 kHz
40022	Pin 2 Counts per Minute L	0..65535	Pin 2 Counts per Minute Value Lower	—	RO	Lower 16 of 32 bits = Rolling count per minute average Range: 1 to 300,000 Max Counter Input Frequency: 5 kHz

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Metric Count Presets

Modbus Register Address	Description	I/O Range	Comments	Default	Access
40100	Pin 4 Count H	0..65535	Pin 4 Count Value Uppper	—	RW
40101	Pin 4 Count L	0..65535	Pin 4 Count Value Lower	—	RW
40102	Pin 2 Count H	0..65535	Pin 2 Count Value Upper	—	RW
40103	Pin 2 Count L	0..65535	Pin 2 Count Value Lower	—	RW

Pin 4 Port Configuration

Modbus Register Address	Description	I/O Range	Comments	Default	Access	Notes
40200	Pin 4 IO Selection	0..5	0 = NPN input 1 = PNP input 2 = NPN output with pull up 3 = PNP output with pull down 4 = NPN output push/pull 5 = PNP output push/pull	1	RW	—
40201	Pin 4 Mode	0..8	0 = Disabled 1 = On Off Delay 2 = On One-shot 3 = Off One-shot 4 = On Pulse-stretcher 5 = Off Pulse-stretcher 6 = Totalizer 7 = Retriggerable On One-shot 8 = Retriggerable Off One-shot 9 = PWM 10 = PFM	0	RW	—
40202	Pin 4 Delay Timer 1 Upper	0..65535	Pin 4 On Delay, One-shot, Pulse-stretcher time, Totalizer Count	0	RW	Upper 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count Mode 7 and 8 = Don't Care
40203	Pin 4 Delay Timer 1 Lower	0..65535	Pin 4 On Delay, One-shot, Pulse-stretcher time, Totalizer Count	0	RW	Lower 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count Mode 7 and 8 = Don't Care
40204	Pin 4 Delay Timer 2 Upper	0..65535	Pin 4 Off Delay or Totalizer time	0	RW	Upper 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count Mode 7 and 8 = Don't Care
40205	Pin 4 Delay Timer 2 Lower	0..65535	Pin 4 Off Delay or Totalizer time	0	RW	Lower 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count Mode 7 and 8 = Don't Care
40206	Pin 4 Mirroring Enable	0..1	0 = Disabled, 1 = Enabled	0	RW	—
40207	Pin 4 Mirroring Selection	0..1	0 = Pin 4, 1 = Pin 2	0	RW	—
40208	Pin 4 Mirroring Inversion	0..1	0 = Not Inverted, 1 = Inverted	0	RW	—
40209	Pin 4 PWM Base Frequency	50..50000	PWM base frequency	500	RW	PWM base frequency = 50 (Hz)..50K(Hz)
40210	Pin 4 PWM Percentage	0..100	PWM percentage	100	RW	PWM % = 0..100 If PWM % > 100, = 100
40211	Pin 4 PFM Frequency	50..50000	PFM frequency	50000	RW	PFM 50 (Hz)..50K (Hz)

Pin 2 Port Configuration

Modbus Register Address	Description	I/O Range	Comments	Default	Access	Notes
40300	Pin 2 IO Selection	0..5	0 = NPN input 1 = PNP input 2 = NPN output with pull up 3 = PNP output with pull down 4 = NPN output push/pull 5 = PNP output push/pull	0	RW	—

Continued on page 5

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Continued from page 4

Modbus Register Address	Description	I/O Range	Comments	Default	Access	Notes
40301	Pin 2 Mode	0..6	0 = Disabled 1 = On Off Delay 2 = On One-shot 3 = Off One-shot 4 = On Pulse-stretcher 5 = Off Pulse-stretcher 6 = Totalizer 7 = Retriggerable On One-shot 8 = Retriggerable Off One-shot	0	RW	—
40302	Pin 2 Delay Timer 1 Upper	0..65535	Pin 2 On Delay, One-shot, Pulse-stretcher time, or Totalizer Count	0	RW	Upper 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count
40303	Pin 2 Delay Timer 1 Lower	0..65535	Pin 2 On Delay, One-shot, Pulse-stretcher time, or Totalizer Count	0	RW	Lower 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count
40304	Pin 2 Delay Timer 2 Upper	0..65535	Pin 2 Off Delay or Totalizer time	0	RW	Upper 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count
40305	Pin 2 Delay Timer 2 Lower	0..65535	Pin 2 Off Delay or Totalizer time	0	RW	Lower 16 of 32 Bits: Mode 1, 2, 3, 4, 5 = Milliseconds Mode 6 = Count
40306	Mirroring Enable	0..1	0 = Disabled, 1 = Enabled	0	RW	—
40307	Pin 2 Mirroring Selection	0..1	0 = Pin 4, 1 = Pin 2	0	RW	—
40308	Pin 2 Mirroring Inversion	0..1	0 = Not Inverted, 1 = Inverted	0	RW	—

Active Configurations

Modbus Register Address	Description	I/O Range	Comments	Default	Access	Notes	
40400	Pin 4 Output	0..1	0 = Inactive, 1 = Active	0	RW	If mirroring is disabled and IO selection is output, then Output is set to inactive/active	If Mode is PWM or PFM, Output state is ignored
40401	Pin 2 Output	0..1	0 = Inactive, 1 = Active	0	RW		—
40402	Counts per Minute Mode	0..2	0 = Slow, 1 = Medium, 2 = Fast	1	RW	Amount of time or speed used to fill the rolling average buffer	—

Discrete Host Out Mirroring (Gray - Male)

Modbus Register Address	Description	I/O Range	Comments	Default	Access
40500	Host Mirroring Enable	0..1	0 = Disable, 1 = Enable	0	RW
40501	Host Mirror Channel Selection	0..1	0 = Pin 4, 1 = Pin 2	0	RW
40502	Host Mirroring Inversion	0..1	0 = Not Inverted, 1 = Inverted	0	RW
40503	Host Mirroring Polarity	0..1	0 = NPN Output, 1 = PNP Output	1	RW
40504	Host Mirroring Output Type	0..2	0 = Output with Internal Pull Up/Down 1 = Output Open Collector 2 = Output Push Pull	0	RW

Modbus Configuration

Modbus Register Address	Description	I/O Range	Comments	Default	Access
40601	Baud Rate	0 = 9.6k 1 = 19.2k 2 = 38.4k	0 = 9600 1 = 19200 2 = 38400	1	RW
40602	Parity	0 = None 1 = Odd 2 = Even	0 = None 1 = Odd 2 = Even	0	RW
40603	Address	1-254	-	1	RW
40604	Reserved (cannot be read or written)	None	-	-	RW
40605	Restore Factory Configuration	0 = No Operation, 1 = Restore	-	-	WO

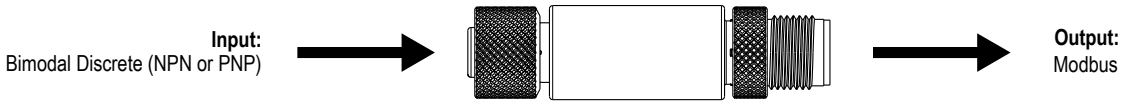
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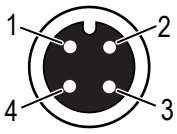
Device Information

Modbus Register Address[1]	Description	I/O Range	Comments	Default	Access	Notes
40606-40615	Banner Name	0..65535	-	Banner Engineering	RO	(9 words/18 characters)
40616-40631	Product Name	0..65535	-	S15C-B22-MQ	RO	(16 words/32 characters)
40632	Item H	0..65535	812324 split into two 16-bit registers	12	RO	Banner Item Number
40633	Item L	0..65535		25892	RO	-
40634	Serial Number H	0..65535	-	-	RO	Serial Number is split into four 16-bit registers
40635	Serial Number	0..65535	-	-	RO	
40636	Serial Number	0..65535	-	-	RO	
40637	Serial Number L	0..65535	-	-	RO	
40644-40659	User Define Tag	0..65535	User writable space	More Sensors. More Solutions.	RW	(16 words/32 characters)

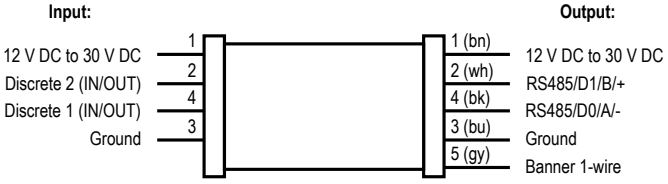
Wiring Diagrams

Converter Diagram



Female	Male	Pin	Wire Color
		1	Brown
		2	White
		3	Blue
		4	Black
		5 (male only)	Gray (male only)

Connecting Devices with Discrete Inputs/Outputs



Status Indicators

Power LED Indicator (Green)

- Solid Green = Power On
- Off = Power Off

Modbus Communication LED Indicator (Amber)

- Flashing Amber (4 Hz) = Modbus communications are active
- Solid Amber for 2 Seconds to Off = Modbus communications are lost after connection
- Solid Amber for 2 Seconds to Flashing Amber (4 Hz) = Modbus communications momentarily lost, but communication reestablished
- Solid Amber = Modbus communications are intermittent, or communications error occurs more frequently than once every 2 seconds
- Off = Modbus communications are not present

Specifications

Supply Voltage

12 V DC to 30 V DC at 50 mA maximum

Power Pass-Through Current

1 A maximum

[1] Registers are big endian.

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Discrete Output Load Rating
50 mA

Supply Protection Circuitry
Protected against reverse polarity and transient voltages

Leakage Current Immunity
400 µA

Discrete Output Ratings
OFF-state leakage current:
NPN: 300 µA
PNP: 10 µA
ON-state saturation voltage:
NPN: 2 V at 50 mA
PNP: 2 V at 50 mA

Indicators
Green: Power
Amber: Modbus communications

Connections
Integral male/female 4-pin M12 quick-disconnect connector

Construction
Coupling Material: Nickel-plated brass
Connector Body: PVC translucent black

Vibration and Mechanical Shock
Meets IEC 60068-2-6 requirements (Vibration: 10 Hz to 55 Hz, 0.5 mm amplitude, 5 minutes sweep, 30 minutes dwell)
Meets IEC 60068-2-27 requirements (Shock: 15G 11 ms duration, half sine wave)

Environmental Rating
IP65, IP67, IP68
NEMA/UL Type 1

Operating Conditions
Temperature: –40 °C to +70 °C (–40 °F to +158 °F)
90% at +70 °C maximum relative humidity (non-condensing)
Storage Temperature: –40 °C to +80 °C (–40 °F to +176 °F)

Product Identification

Required Overcurrent Protection

WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.

Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.

Supply wiring leads < 24 AWG shall not be spliced.

For additional product support, go to www.bannerengineering.com.

Supply Wiring (AWG)	Required Overcurrent Protection (A)	Supply Wiring (AWG)	Required Overcurrent Protection (A)
20	5.0	26	1.0
22	3.0	28	0.8
24	2.0	30	0.5

FCC Part 15 Class B for Unintentional Radiators

(Part 15.105(b)) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

(Part 15.21) Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

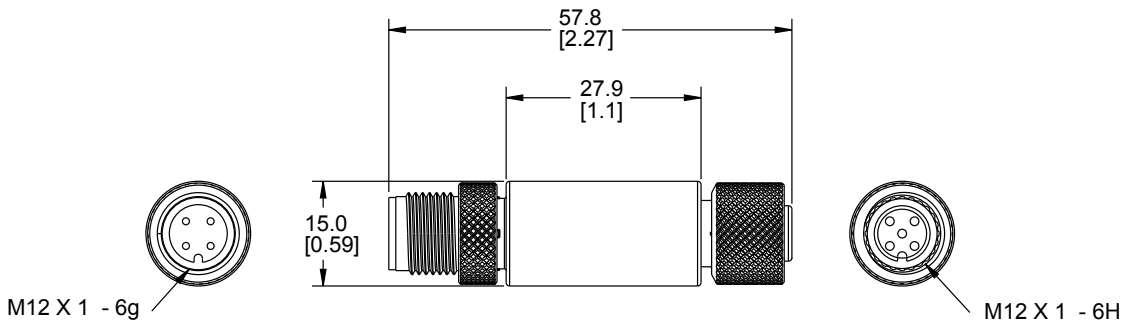
Industry Canada ICES-003(B)

This device complies with CAN ICES-3 (B)/NMB-3(B). Operation is subject to the following two conditions: 1) This device may not cause harmful interference; and 2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la norme NMB-3(B). Le fonctionnement est soumis aux deux conditions suivantes : (1) ce dispositif ne peut pas occasionner d'interférences, et (2) il doit tolérer toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité du dispositif.

Dimensions

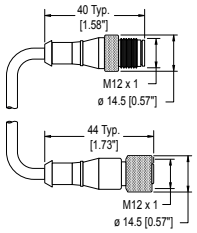
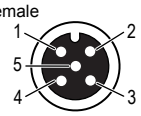
All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.



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Accessories

Cordsets

4-pin A-Code Double-Ended M12 Female to M12 Male Cordsets (datasheet p/n 236186)				
Model	**Length**	**Dimensions (mm)**	**Pinouts**	
BC-M12F4-M12M4-22-1	1 m (3.28 ft)		Female  Male 	1 = Brown 2 = White 3 = Blue 4 = Black 5 = Unused c UL us LISTED
BC-M12F4-M12M4-22-2	2 m (6.56 ft)			
BC-M12F4-M12M4-22-3	3 m (9.84 ft)			
BC-M12F4-M12M4-22-4	4 m (13.12 ft)			
BC-M12F4-M12M4-22-5	5 m (16.4 ft)			
BC-M12F4-M12M4-22-10	10 m (30.81 ft)			
BC-M12F4-M12M4-22-15	15 m (49.2 ft)			

Product Support and Maintenance

Clean with Mild Detergent and Warm Water

Wipe down the device with a soft cloth dampened with a mild detergent and warm water solution. Do not use any other chemicals for cleaning.

Repairs and Translations (No Field-Replaceable Parts)

English

Contact Banner Engineering for troubleshooting of this device. **Do not attempt any repairs to this Banner device; it contains no field-replaceable parts or components.** If the device, device part, or device component is determined to be defective by a Banner Applications Engineer, they will advise you of Banner's RMA (Return Merchandise Authorization) procedure.

```
IMPORTANT: If instructed to return the device, pack it with care. Damage that occurs in return shipping is
not covered by warranty.
```

Obtain assistance with product repairs by contacting your local Banner Engineering Corp distributor or by calling Banner directly at (763) 544-3164. Access literature translated into your native language on the Banner website at www.bannerengineering.com or contact Banner directly at (763) 544-3164.

Deutsch

Wenden Sie sich zur Fehlerbehebung dieses Geräts an Banner Engineering. **Versuchen Sie nicht, Reparaturen an diesem Banner-Gerät vorzunehmen. Das Gerät enthält keine am Einsatzort auszuwechselnden Teile oder Komponenten.** Wenn ein Banner-Anwendungstechniker zu dem Schluss kommt, dass dieses Gerät, ein Teil oder eine Komponente davon defekt ist, erhalten Sie von dem Techniker Erläuterungen zu Banners RMA-Verfahren (Return Merchandise Authorization) für die Warenrückgabe.

```
WICHTIG: Wenn Sie der Techniker anweist, das Gerät zurückzusenden, verpacken Sie es bitte sorgfältig.
Transportschäden bei der Rücksendung werden von der Garantie nicht abgedeckt.
```

Unterstützung bei Produktreparaturen erhalten Sie von Ihrem örtlichen Banner Engineering Corp Händler oder direkt von Banner unter Tel. (763) 544-3164. Die in Ihre Muttersprache übersetzte Literatur finden Sie auf der Banner-Website unter www.bannerengineering.com oder kontaktieren Sie Banner direkt unter Tel. (763) 544-3164.

Français

Pour plus d'informations sur le dépannage du produit, contactez Banner Engineering. **Ne tentez pas de réparer ce dispositif Banner. Il ne contient aucun composant ou pièce qui puisse être remplacé sur place.** Si un ingénieur de Banner conclut que le dispositif ou l'une de ses pièces ou composants est défectueux, il vous informera de la procédure à suivre pour le retour des produits (RMA).

```
Important : Si vous devez retourner le dispositif, emballez-le avec soin. Les dégâts occasionnés pendant le
transport de retour ne sont pas couverts par la garantie.
```

Pour vous aider lors de la réparation de produits, contactez votre distributeur Banner local our appelez directement Banner au (763) 544-3164. La documentation traduite dans votre langue est disponible sur le site internet de Banner www.bannerengineering.com ou contactez directement Banner au (763) 544-3164.

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Italiano

Per le procedure di individuazione e riparazione dei guasti di questo dispositivo, contattare Banner Engineering. **Non tentare di riparare questo dispositivo Banner, in quanto non contiene parti o componenti sostituibili dall'utente.** Se il dispositivo, una parte del dispositivo o un componente del dispositivo viene riscontrato difettoso da un tecnico Banner, il nostro personale vi comunicherà la procedura da seguire per ottenere l'autorizzazione al reso.

Importante: Se si ricevono istruzioni di rispedire il dispositivo al produttore, imballarlo con cura. I danni dovuti al trasporto non sono coperti dalla garanzia.

Per assistenza nelle riparazioni dei prodotti, contattare il distributore locale Banner Engineering Corp o contattare direttamente Banner al numero (763) 544-3164. È possibile accedere alla documentazione tradotta nella propria lingua madre sul sito Web Banner all'indirizzo www.bannerengineering.com o contattare direttamente Banner al numero (763) 544-3164.

Español

Comuníquese con Banner Engineering para solucionar de problemas de este dispositivo. **No intente ninguna reparación a este dispositivo de Banner, contiene piezas o componente que no se pueden cambiar en terreno.** Si algún ingeniero de aplicaciones de Banner determina que el dispositivo, alguna de las piezas o alguno de los componentes del dispositivo está defectuoso, le informará el procedimiento de autorización de devolución de mercancía (RMA, por sus siglas en inglés) de Banner.

Importante: Si se le solicita devolver el dispositivo, empáquelo con cuidado. Puede haber daños durante el envío de devolución que no estén cubiertos por la garantía.

Para reparaciones de productos, por favor contacte a su distribuidor local de Banner Engineering o llame a Banner directamente al 00 1 (763) 544-3164. Vea la literatura traducida en su idioma en el sitio web Banner en www.bannerengineering.com o comuníquese con Banner directamente al 00 1 (763) 544-3164.

中国人

如需对本装置进行故障排查，请联系邦纳。**请勿尝试自行维修该邦纳装置；本装置不包含任何可在现场更换的部件或组件。** 若经邦纳应用工程师确认设备、设备部件或组件存在缺陷，他们将告知您邦纳退货授权 (RMA) 流程。

重要注意事项： 如被要求退回装置，请妥善包装后寄回。退货运输过程中发生的损坏不在保修范围内。

请联系当地的 Banner Engineering Corp 经销商或直接致电 Banner +1 (763) 544-3164，以获得产品维修帮助。请访问邦纳网站 www.bannerengineering.com 或直接拨打 +1 (763) 544-3164 联系邦纳，获取翻译成您母语的資料。

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日本語

この装置のトラブルシューティングについては、バナーエンジニアリングにお問い合わせください。**このバナー装置には、現場では交換できない部品またはコンポーネントが含まれているため、修理を試みてはいけません。** バナーのアプリケーションエンジニアが装置、装置の部品、または装置のコンポーネントに欠陥があると判断した場合、バナーのRMA（返品承認）手続きについてお知らせします。

重要 ： 返品を指示された場合は、装置を丁寧に梱包してください。返品時に発生した破損は保証の対象外となります。

製品の修理については、最寄りのBanner Engineering Corp代理店にお問い合わせいただくか、米国+1 (763) 544-3164まで直接お電話でお問い合わせください。バナーのウェブサイト（www.bannerengineering.com）でお客様の言語に翻訳された資料にアクセスするか、米国+1 (763) 544-3164まで直接お電話でお問い合わせください。

čeština

Pro řešení problémů se zařízením kontaktujte společnost Banner Engineering. **Neprovádějte žádné opravy zařízení Banner. Neobsahují žádné komponenty nebo části, které by byly vyměnitelné.** Pokud je zařízení, jeho část nebo díl označen technikem společnosti Banner jako poškozený, bude Vám doporučeno vyplnit reklamační RMA protokol.

Důležité: Pokud byl vydán požadavek na vrácení zařízení, pečlivě ho zabalte. Poškození vzniklé při dopravě není považováno za záruční opravu.

Pokud produkt potřebuje opravu, vyžádejte si pomoc od místního distributora společnosti Banner Engineering Corp nebo přímo na telefonním čísle (763) 544-3164. Dokumentaci přeloženou do vašeho jazyka si vyhledejte na webových stránkách společnosti Banner na adrese www.bannerengineering.com nebo se obraťte přímo na společnost Banner na telefonním čísle (763) 544-3164.

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Polski

W celu rozwiązania problemów z urządzeniem należy skontaktować się z działem technicznym firmy Banner Engineering. **Pod żadnym pozorem nie próbuj naprawiać tego urządzenia firmy Banner; nie zawiera ono części ani elementów, które można wymieniać samodzielnie.** Jeśli urządzenie, jego część lub element zostaną uznane za wadliwe przez inżyniera technicznego Banner, poinformuje on użytkownika o firmowej procedurze zwrotu towaru (RMA) firmy Banner.

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Ważne: Jeśli urządzenie ma zostać zwrócone, należy je starannie zapakować. Uszkodzenia powstałe podczas
odsyłki nie są objęte gwarancją.
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Aby uzyskać pomoc w zakresie naprawy produktu, należy skontaktować się z lokalnym dystrybutorem Banner Engineering Corp lub zadzwonić bezpośrednio do firmy Banner pod numer (763) 544-3164. Dostęp do literatury przetłumaczonej na swój język ojczysty można uzyskać na stronie internetowej firmy Banner pod adresem www.bannerengineering.com lub kontaktując się bezpośrednio z firmą Banner pod numerem (763) 544-3164.

Português

Entre em contato com a Engenharia da Banner para a solução de problemas deste dispositivo. **Não tente fazer nenhum reparo neste dispositivo Banner; ele não contém peças ou componentes substituíveis em campo.** Se um técnico de aplicações da Banner determinar que o dispositivo, peça ou componente do dispositivo está com defeito, ele o informará sobre o procedimento de RMA (Autorização de Devolução de Mercadoria) da Banner.

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Importante: Se for instruído a devolver o dispositivo, embale-o com cuidado. Os danos ocorridos no
transporte de devolução não são cobertos pela garantia.
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Obtenha assistência para reparos do produto entrando em contato com o distribuidor local da Banner Engineering Corp ou ligando diretamente para a Banner no telefone (763) 544-3164. Acesse a literatura traduzida para seu idioma nativo no site da Banner em www.bannerengineering.com ou entre em contato diretamente com a Banner pelo telefone (763) 544-3164.

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Contact Us

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