



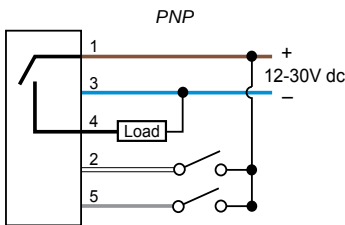
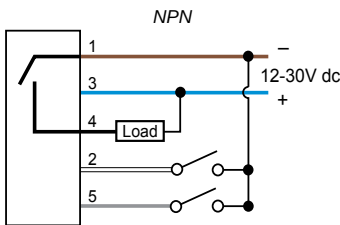
Datasheet



For complete technical information about this product, including installation instructions, application requirements and guidelines, technical specifications, dimensions, and accessories, please refer to the manual at www.bannerengineering.com. Scan the QR code or follow the link below to go to the product series web page, and search for the PVS28 Parts Verification Sensor manual, p/n 233619, in the Downloads. Use of this document assumes familiarity with pertinent industry standards and practices.
<https://www.bannerengineering.com/pvs28>



Wiring Diagrams



Pin 1 = Brown
Pin 2 = White
Pin 3 = Blue
Pin 4 = Black
Pin 5 = Gray (Remote Input)

Four-State Full Logic

Green	Input active, no detection
Yellow	Input active, detection
Red	No input, detection
Off	Power applied, but no input or detection

Models

PVS28D100QP: 28 mm width by 100 mm length, with Diffuse/Distance sensing mode and 150 mm (6 in.) PVC cable with 5-pin M12 quick-disconnect connector

PVS28D225QP: 28 mm width by 225 mm length, with Diffuse/Distance sensing mode and 150 mm (6 in.) PVC cable with 5-pin M12 quick-disconnect connector

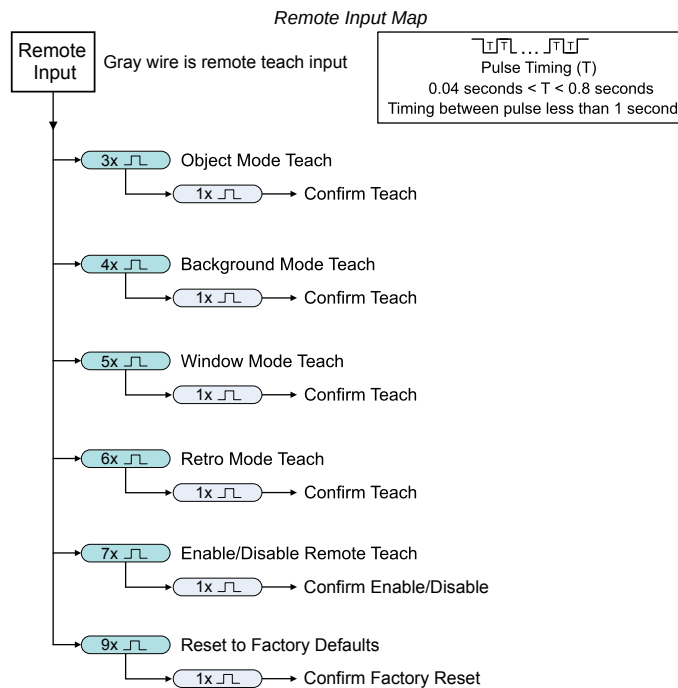
Remote Teach

Use the following procedure to teach the Set Point.

- Pulse the remote input:
 - 3x - Object Teach: The indicator alternates between a blue Teach Status color and the Signal Level color.
 - 4x - Background Teach: The indicator alternates between a magenta Teach Status color and the Signal Level color.
 - 5x - Window Teach: The indicator alternates between a cyan Teach Status color and the Signal Level color.
 - 6x - Retroreflective Teach: The indicator performs a chase animation with a blue Teach Status color, with the Signal Level color as the background.
- Present the Set Point.
- Teach the Set Point.

Action	Result
Single pulse the remote input.	 Teach Accepted The indicator stops flashing and the device returns to operation. Teach Not Accepted The Signal Level color turns red during the teach procedure, and then the indicator stops flashing. Retry teaching the set point.





Specifications

Supply Voltage (Vcc)

12 V DC to 30 V DC

Supply Current

Maximum current (exclusive of load):

100 mm: 85 mA

225 mm: 150 mA

Range

The sensor can detect an object at the following ranges, depending on the material and size of the target: 20 mm to 500 mm

Application Note

For best performance, allow 5 minutes for the sensor to warm up

Operating Temperature

-20 °C to +50 °C (-4 °F to +122 °F)

Environmental Rating

IP54

Certifications



Key Accessories

Refer to the manual for additional accessories and complete information.

SMBPVA1

Included with PVS sensor

PRO-KIT

Pro Converter Cable

Splitter (CSB-M2151FM1251M)

Power Supply (PSW-24-1)

Retroreflective Tape

BRT-THG-1-100: 25 mm (1 in) wide

BRT-THG-2-100: 50 mm (2 in) wide

BRT-THG-3-100: 75 mm (3 in) wide

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