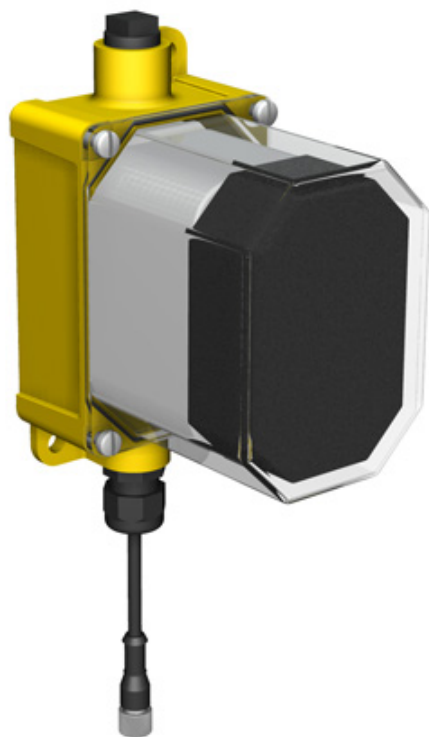


SureCross DX81P6 FlexPower Supply Module



Delivers and manages dc voltage from six 3.6V dc lithium primary batteries

Features



- Wireless solution for powering a FlexPower™ Node and sensor device
- Unique power management system to run the FlexPower Node and a device through switched power outputs for up to five years, depending upon the power requirements of the device
- Six 3.6V dc lithium "D" cell batteries
- IP67 sealed enclosure

FlexPower systems allow for a true wireless solution as the Node can be powered by battery power (3.6 to 5.5V dc). Battery life is application specific. Contact Banner Engineering's application engineers for a battery life calculation for your specific application.

For additional information, the most recent version of all documentation, and a complete list of accessories, refer to Banner Engineering's website, www.bannerengineering.com/surecross.

Models

Model	Power	Batteries	Cable
DX81P6	3.6V dc battery	Six 3.6V Lithium "D" Cells	5-pin Euro pigtail QD



WARNING: Not To Be Used for Personnel Protection

Never use this product as a sensing device for personnel protection. Doing so could lead to serious injury or death. This product does NOT include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.



Wiring Diagrams

5-pin Euro-Style Hookup for DX81

Only FlexPower™ DX80 devices may be powered from this supply.



Wire No.	Wire Color	Description
3	Blue	dc common (GND)
5	Gray	3.6V dc

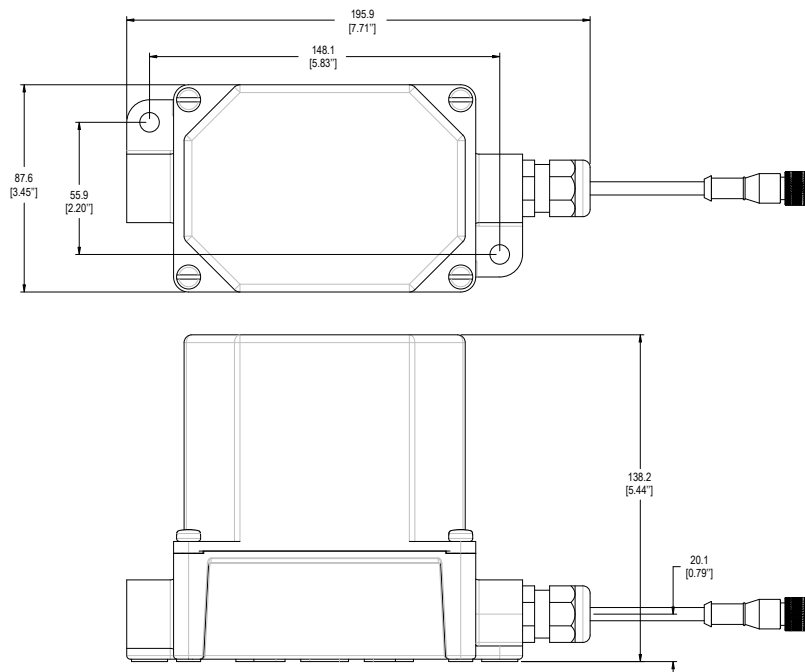
DX80...C Terminal Labels

V-

B+

Do not apply more than 5.5V dc to the gray wire.

DX81P6 Dimensions



Specifications

General

Estimated Battery Life

114,000 mA-hours

Housing

Polycarbonate

Weight: 0.98 kg (2.15 lbs)

Mounting: 1/4-inch or M7 (M7 hardware included)

Max. Tightening Torque: 0.56 N·m (5 in·lbf)

Wiring Access

One 1/2-inch NPT with 5-pin Euro-style 150mm pigtail QD

Environmental

Environmental

Rating: IEC IP67; NEMA 6; (See UL section below for any applicable UL specifications)

Operating Temperature: -40 to +85° C

Operating Humidity: 95% max. relative (non-condensing)

Radiated Immunity: 10 V/m, 80-2700 MHz (EN61000-6-2)

Shock and Vibration

IEC 68-2-6 and IEC 68-2-7

Shock: 30g, 11 millisecond half sine wave, 18 shocks

Vibration: 0.5 mm p-p, 10 to 60 Hz

Refer to the SureCross™ DX80 Wireless I/O Network product manual, Banner p/n 132607, for installation and waterproofing instructions. Operating the devices at the maximum operating conditions for extended periods can shorten the life of the device.

Warnings

The manufacturer does not take responsibility for the violation of any warning listed in this document.

Make no modifications to this product. Any modifications to this product not expressly approved by Banner Engineering could void the user's authority to operate the product. Contact the Factory for more information.

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Contact Us

For more information: Contact your local Banner representative or Banner Corporate Offices around the world.

Banner Corporate Headquarters
Banner Engineering Corp.
9714 Tenth Ave. North
Mpls., MN 55441
Tel: 763-544-3164
www.bannerengineering.com
sensors@bannerengineering.com

Asia — China
Banner Engineering China
Shanghai Rep Office
Rm. G/H/I, 28th Flr.
Cross Region Plaza
No. 899, Lingling Road
Shanghai 200030 CHINA
Tel: 86-21-54894500, Fax:
86-21-54894511
www.bannerengineering.com.cn
sensors@bannerengineering.com.cn

Europe
Banner Engineering Europe
Park Lane
Culliganlaan 2F
Diegem B-1831
BELGIUM
Tel: 32-2 456 07 80, Fax:
32-2 456 07 89
www.bannereurope.com
mail@bannereurope.com

Asia — Taiwan
Banner Engineering Taiwan
8F-2, No. 308
Section 1, Neihu Road
Taipei 114
Tel: 886-2-8751-9966, Fax:
886-2-8751-2966
www.bannerengineering.com.tw
info@bannerengineering.com.tw

Latin America
Contact Banner Engineering
Corp. (US) or e-mail:
Mexico: mexico@bannerengineering.com
Brazil: brasil@bannerengineering.com

Asia — Japan
Banner Engineering Japan
Cent-Urban Building 305
3-23-15, Nishi-Nakajima
Yodogawa-Ku, Osaka
532-0011 JAPAN
Tel: 81-6-6309-0411, Fax:
81-6-6309-0416
www.bannerengineering.co.jp
mail@bannerengineering.co.jp

Asia — India
Banner Engineering India
Pune Head Quarters
Office No. 1001
Sai Capital Opp. ICC
Senapati Bapat Road
Pune 411016 INDIA
Tel: 91-20-66405624, Fax:
91-20-66405623
www.bannerengineering.co.in
india@bannerengineering.com