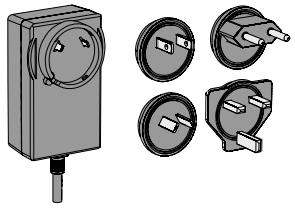
# PSW-24-2 DC Power Supply

## PSW-24-2 Features

24 V DC, 2.0 A Class 2 Power Supply



- Accepts universal AC input voltage (100 V AC to 240 V AC, 50/60 Hz); provides 24 V DC output
- Provides reliable power for lighting systems or other products that operate at 24 V DC
- Outputs to an integral M12 connector
- Includes Type A, C, G and I AC Detachable Input Plugs

**CAUTION:**

- Do not use in wet areas or in the presence of excessive airborne contamination.
- Risk of electric shock. Do not open, disassemble, or modify this device.
- Only to be used with industrial products, accepts universal AC input (100 V AC to 240 V AC, 50/60 Hz); provides 24 V DC output

**WARNING:**

- **Do not use this device for personnel protection**
- Using this device for personnel protection could result in serious injury or death.
- This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A device failure or malfunction can cause either an energized (on) or de-energized (off) output condition.

## PSW-24-2 Specifications

**Input Voltage**

100 V AC to 240 V AC

**Input Frequency**

50 Hz to 60 Hz

**Output**

Voltage: 24 V DC ± 5%
Current: 2.0 A
Power: 48 W maximum

**Output Protection Circuitry**

Protected against output short-circuit

**Output Ripple/Noise**

< 1%

**Connections**

3.5 m (11.5 ft) cable with a 5-pin M12 female connector.
Includes Type A (US, Canada, Japan, Puerto Rico, Taiwan), Type C (Germany, France, South Korea, Netherlands, Poland, Spain, Turkey), Type G (United Kingdom, Ireland, Singapore, Vietnam), and Type I (China, Australia, New Zealand) AC detachable input plugs

**Holdup Time**

20 ms minimum full load, $V_{in}$ 115 V AC

**Efficiency**

87% typical full load, $V_{in}$ 115 V AC

**Operating Temperature**

–10 °C to +40 °C (+14 °F to +104 °F)

**Storage Temperature**

–20 °C to +85 °C (–4 °F to +185 °F)

**Environmental Rating**

IP20

**Emission Standards**

FCC Class B
CISPR32 Class B

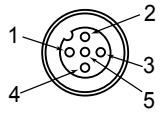
**Safety Standards**

UL1310 Class 2

**Certifications**

Banner Engineering BV
Park Lane, Culliganlaan 2F bus 3
1831 Diegem, BELGIUM

Turck Banner LTD Blenheim House
Blenheim Court
Wickford, Essex SS11 8YT
GREAT BRITAIN

| 5-pin M12 Female Connector | |
|---|---|
|  | 1. V+<br>2. NC<br>3. V-<br>4. NC<br>5. NC |

## FCC Part 15 Class 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.


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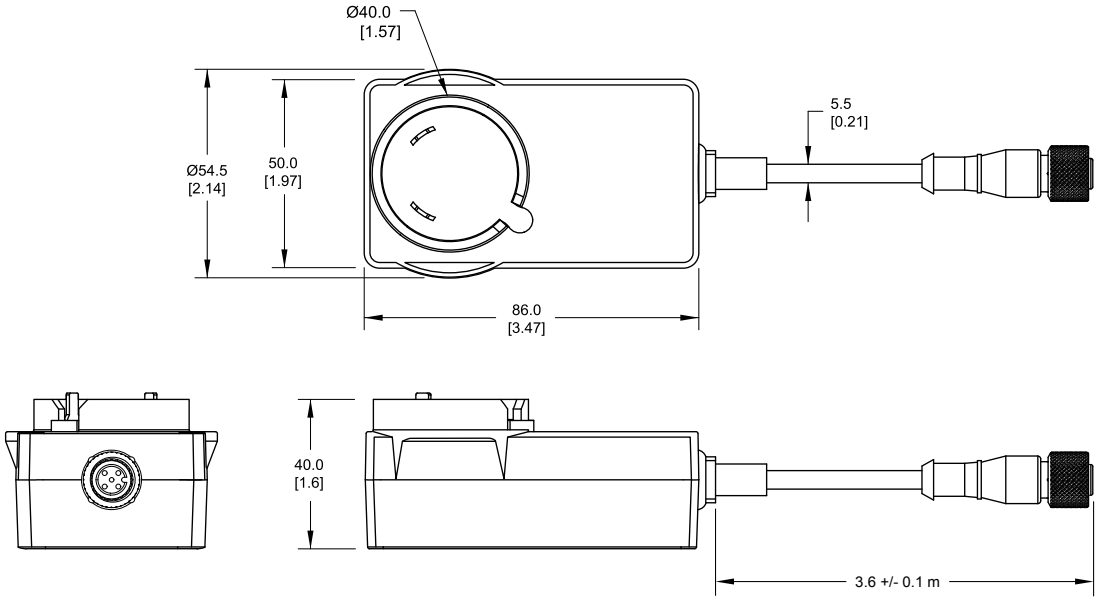
## Industry Canada ICES-003(B)

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.

## PSW-24-2 Dimensions

All measurements are listed in millimeters [inches], unless noted otherwise.




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For patent information, see www.bannerengineering.com/patents.

Document title: PSW-24-2 DC Power Supply
Part number: 237532
Revision: A
Original Instructions
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