

SELV power supply

Safety information

Please read this entire manual before unpacking, setting up or operating this equipment. Pay attention to all danger and caution statements. Failure to do so could result in serious injury to the operator or damage to the equipment.







Make sure that the protection provided by this equipment is not impaired, do not use or install this equipment in any manner other than that specified in this manual.

Use of hazard information

⚠ DANGER
Indicates a potentially or imminently hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING
Indicates a potentially or imminently hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION
Indicates a potentially hazardous situation that may result in minor or moderate injury.
NOTICE
Indicates a situation which, if not avoided, may cause damage to the instrument. Information that requires special emphasis.

Precautionary Labels

Read all labels and tags attached to the instrument. Personal injury or damage to the instrument could occur if not observed. A symbol on the instrument is referenced in the manual with a precautionary statement.

	This symbol, if noted on the instrument, references the instruction manual for operation and/or safety information.
	This symbol, when noted on a product enclosure or barrier, indicates that a risk of electrical shock and/or electrocution exists.
	This symbol, when noted on the product, identifies the location of the connection for Protective Earth (ground).
	This symbol, when noted on the product, indicated the presence of devices sensitive to Electro-static Discharge (ESD) and indicated that care must be taken to prevent damage with the equipment.
	This symbol, when noted on the product, identifies the location of a fuse or current limiting device.
	Electrical equipment marked with this symbol may not be disposed of in European public disposal systems after 12 August of 2005. In conformity with European local and national regulations (EU Directive 2002/96/EC), European electrical equipment users must now return old or end-of life equipment to the Producer for disposal at no charge to the user. Note: For return for recycling, please contact the equipment producer or supplier for instructions on how to return end-of-life equipment, producer-supplied electrical accessories, and all auxiliary items for proper disposal.

Specifications

Specifications are subject to change without notice.

	6631800	6632500
Input power cord plug	NEMA 5-15P	CEE 7/7 (Schuko)
Country	North America and all other countries that require 100–120 VAC	Germany, France, Belgium and all other countries that require 230 VAC and that use CEE 7/7 style grounded plug
Input	100–120 VAC, 50/60 Hz, 0.6A	230 VAC, 50/60 Hz, 0.6A
Installation category	II	
Pollution degree	2	
Maximum altitude	4000 m (13,126 ft)	
Certifications	ETL listed to UL & CSA standards cETLus marked	EMC Directive & Low Voltage Directive (safety) CE marked
Output	12 VDC at 20 W max. at 50 °C (122 °F)	
Operating humidity	0–95%	
Operating temperature	–10 to 50 °C (14 to 122 °F)	
Storage temperature	–25 to 60 °C (–13 to 140 °F)	
Enclosure	NEMA 4X, IP66	
Weight	1.2 kg (2.7 lb)	

Overview

DANGER

Electric shock hazard. The power supply must be connected to an electrical outlet that provides an earth ground connection.

WARNING

Explosion hazard. The 6631800 and 6632500 power supplies are not approved for use in hazardous locations as defined in the National Electrical Code.

This instruction sheet applies to the following power supplies: 6631800 and 6632500.

Prerequisites:

- Make sure that the AC power source has sufficient capacity for the power supply.
- Make sure that all electrical installations and connections are in accordance with national and local electrical codes.
- Make sure that the AC power source is grounded and protected with a Ground Fault Current Interrupt (GFCI).
- If the GFCI breaker in the AC power source fails (opens), determine the cause before restoring power.
- Do not attempt to make any connection or otherwise handle the electrical components of the unit when connected to the AC power source if the immediate area is wet, or if hands or clothing are wet.
- Before starting any maintenance task, disconnect the unit from the AC power source.

Mounting

Attach the unit to a wall with four #6 self-tapping screws. Refer to [Figure 1](#).

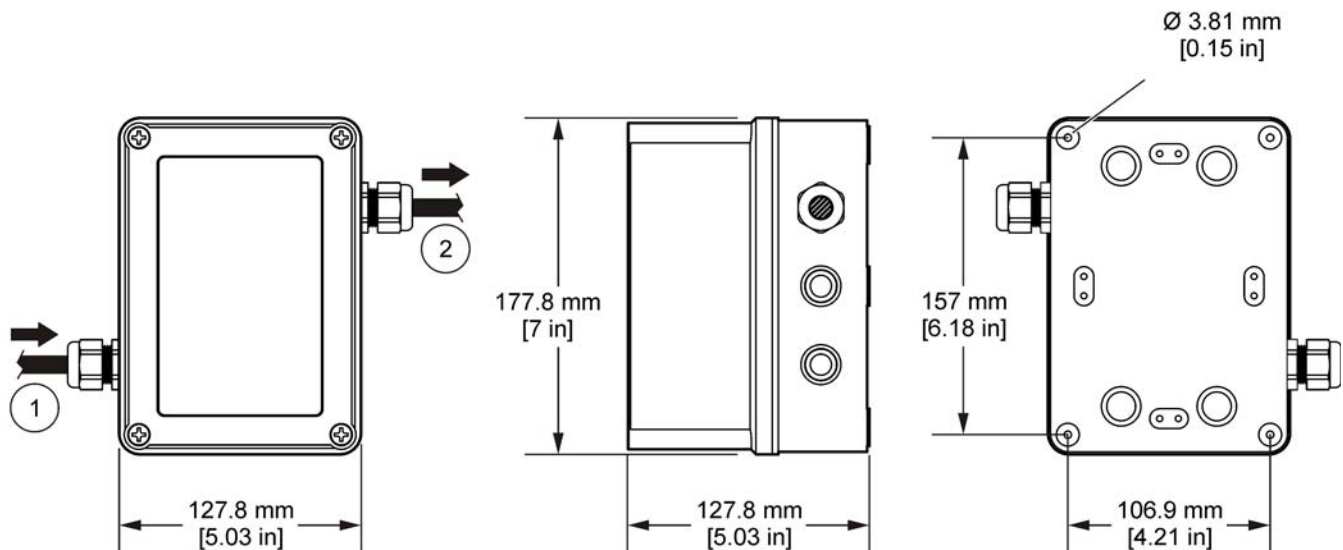


Figure 1 Power supply—front, side and back-view dimensions

1 AC mains power in

2 DC power out

Wiring the DC Flo-Station for power

The SELV power supply is intended to be wired to a DC Flo-Station only. DC-powered Flo-Stations have a fixed 2-terminal connector. AC mains-powered units have a removable connector for the neutral and line wires. Use a screwdriver to secure all wiring connections.

1. Remove the bottom cover from the Flo-Station.
2. Insert the power cable from the SELV power supply through the strain relief fitting in the bottom of the Flo-Station enclosure.
3. Install the negative wire (white) into the left side of the power terminal first. Then install the positive wire (black) in the right side of the power terminal. Refer to [Figure 2](#). Tighten each wire and then tug gently to make sure the connection is tight.
4. Tighten the strain relief to secure the cable.
5. Seal any unused openings in the enclosure with conduit-sealing plugs.
6. Install the bottom cover.
7. Apply the AC mains power to the SELV power supply and make sure that the Flo-Station is powered on.

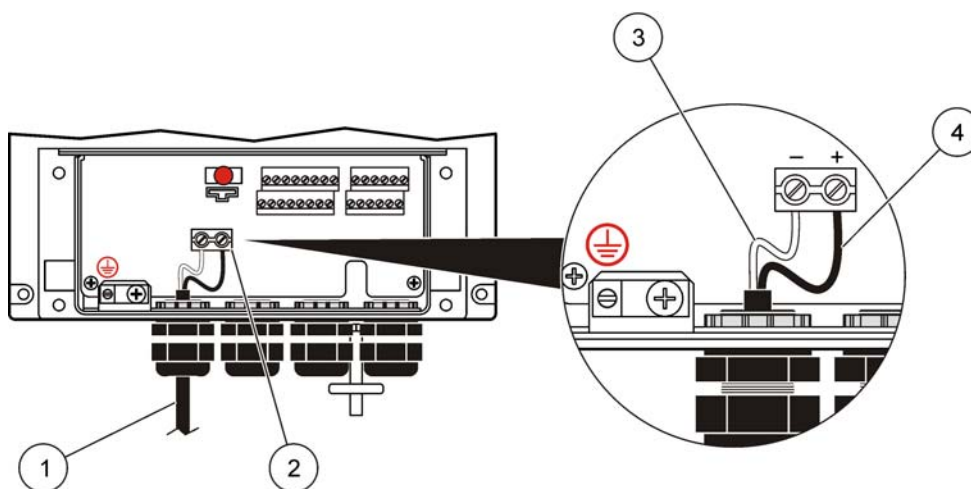


Figure 2 Wiring the Flo-Station for DC power

1	DC cable from SELV power supply	3	Negative wire
2	DC power terminal	4	Positive wire

Cleaning the case

1. Disconnect AC power to the power supply.
2. Clean the outside of the case with a damp cloth and mild detergent.

Certification

Canadian Interference-causing Equipment Regulation, IECS-003, Class A
 Certified compliant by Hach Company.

This Class A digital apparatus meets all requirements of the Canadian Interference- Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

FCC PART 15, Class "A" Limits

Certified compliant by Hach Company.

This device complies with Part 15 of the FCC Rules. 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.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense. The following techniques of reducing the interference problems are applied easily.

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1. Disconnect the power supply from its power source to verify that it is or is not the source of the interference.
 2. If the power supply is connected into the same outlet as the device with which it is interfering, try another outlet.
 3. Move the power supply away from the device receiving the interference.
 4. Reposition the receiving antenna for the device receiving the interference.
 5. Try combinations of the above.

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