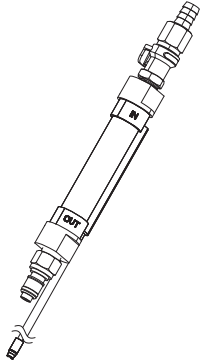


GF 4630-395 Flow Switch Kit



3-4630-395.090 Rev 0 02/21

Operating Instructions



Flow Switch Assembly
(159 200 188)

Description

The 4630-395 Flow Switch Kit monitors the flow of water through either the 4630 flow cell or a custom built sensor manifold assembly.

When used in combination with the 9950 Chlorine Controller and the 3-9950.393-3 Relay Module with binary input and two mechanical relays, the flow switch adds a layer of protection against the dosing of chemicals into a system that is offline (shut off) or has the flow into the flow cell or manifold interrupted for other reasons.

The flow switch supports safety while reducing chemical cost by disabling the functions of the mechanical relays of the 9950 when flow is interrupted to the system.

Features:

- Use with the new 9950-3 Chlorine Controller chemical guard feature.
- Chemical guard feature ensures pH adjustment is a priority over adjusting the oxidizer (chemical).
- Flow switch prevents injection of chemicals into the application when flow is interrupted or shut off.
- Saves chemical cost while promoting safety.
- Also can be used with the standard 9950 with the 3-9950.393-3 relay module. (Chemical guard not available in standard 9950)

Kit comes complete with 1 each:

- Flow switch assembly Chlorine panel
- Terminal block plug, 2 position, 2 row
- White wire 26 AWG, 127 mm (5 in.) length



- [English](#)
- [Deutsch](#)
- [Français](#)
- [Español](#)
- [Italiano](#)
- [中文](#)



Warranty Information






Refer to your local Georg Fischer Sales office for the most current warranty statement.

All warranty and non-warranty repairs being returned must include a fully completed Service Form and goods must be returned to your local GF Sales office or distributor. Product returned without a Service Form may not be warranty replaced or repaired.

GF products with limited shelf-life (e.g. pH, ORP, chlorine electrodes, calibration solutions; e.g. pH buffers, or other solutions) are warranted out of box but not warranted against any damage, due to process or application failures (e.g. high temperature, chemical poisoning, dry-out) or mishandling (e.g. broken glass, damaged membrane, freezing and/or extreme temperatures).

Safety Information

- Remove electrical power from the transmitter before wiring input connections.
- Follow instructions carefully to avoid personal injury or damage to the electronics.

	Caution / Warning / Danger Indicates a potential hazard. Failure to follow all warnings may lead to equipment damage, injury, or death
	Electrocution Danger Alerts user to risk of potential of injury or death via electrocution.
	Electrostatic Discharge (ESD) Alerts user to risk of potential damage to product by ESD
	Personal Protective Equipment (PPE) Always utilize the most appropriate PPE during installation and service of GF products.
	Note / Technical Notes Highlights additional information or detailed procedure.

Installation

In order to use the flow switch feature the 9950-3 must use the 3-9950.393-3 relay module.

Prior to installing the relay module, the Internal/External switch located on the bottom of the module must be in the External position. (Figure 1)

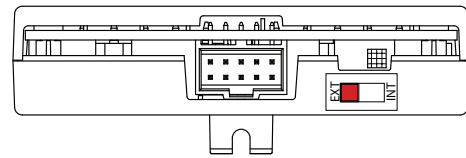
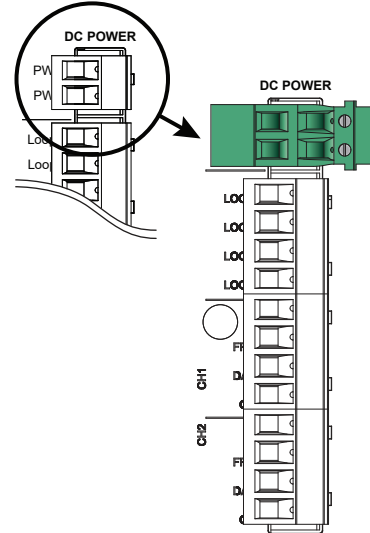


Figure 1

Step 1

Remove input power (12 to 24 VDC).

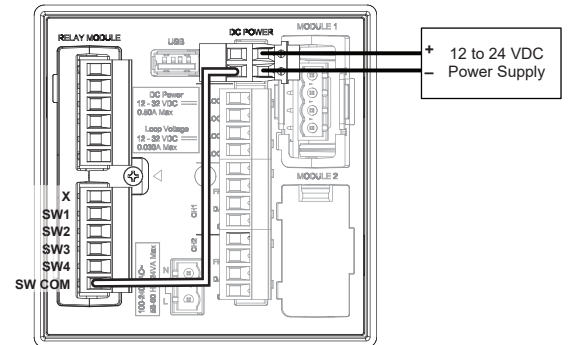
Replace the 2 position green input power connector with the new 2 position, 2 row green connector supplied in the kit.



Step 2

Remove the 12 to 24 VDC wiring from the old connector and install into the new 2 position, 2 row green connector as shown.

Install the other end of the white wire to the 3-9950.393-3 relay module (SW COM).

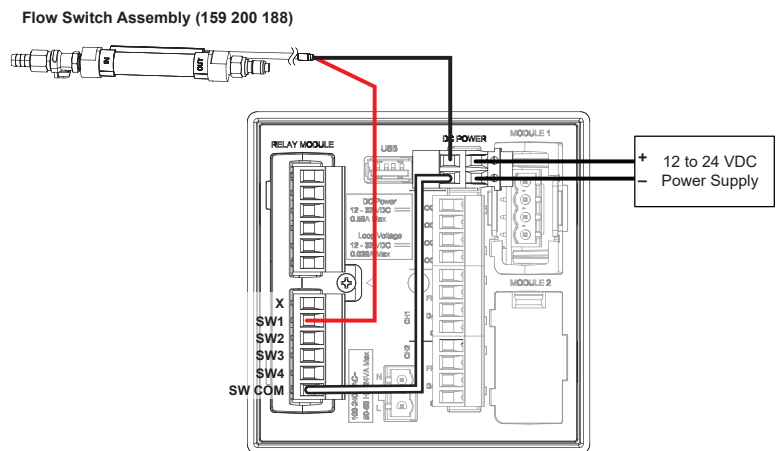


Step 3

Install one of the wires of the flow switch to the new 2 position, 2 row green connector (+DC Power).

Install the second flow switch wire to the 3-9950.393-3 relay module to "SW1".

Apply system power and access the 9950 "Relay Menu" to program the Flow Switch feature to ON in the 9950-3 or program the desired Relay Source to Binary Source or Multiple Source in the standard 9950.



Ordering Information

Mfr. Part No.	Code	Description
3-4630.395	159 001 960	Flow Switch Kit
3-9950.393-3	159 310 270	Relay Module
6683-0502	159 868 040	Terminal Block, plug, 2 pieces, 2 row



Georg Fischer Signet LLC, 3401 Aero Jet Avenue, El Monte, CA 91731-2882 U.S.A. • Tel. (626) 571-2770 • Fax (626) 573-2057
For Worldwide Sales and Service, visit our website: www.gfsignet.com • or call (in the U.S.): (800) 854-4090
For the most up-to-date information, please refer to our website at www.gfsignet.com