

Liqui-Sense® Emergency Cut-Off System

Don't lose sight of pump systems

- Monitor pumps and fluid systems for leaks, fluid level, and flow—24 hours a day
- Shuts down process automatically—eliminating downtime, system damage, and fluid loss
- Customize to your specific application needs using dual input and output channels
- Visible and audible alarms alert you to an alarm condition

1. Liqui-Sense® Controller



Customize your monitoring system by using the Liqui-Sense® controller with up to two sensors and two pumps. The controller turns the process pump off and the backup pump on when triggered by an alarm condition. Connect the third relay (30 VDC, 1 A) to an external alarm. Manual reset prevents accidental restart.

What's included: a 6-ft (1.8-m) line cord with a US standard plug (77096-00) or a IEC320/CEE22 socket (77095-05; specify country when ordering to receive correct cord set).

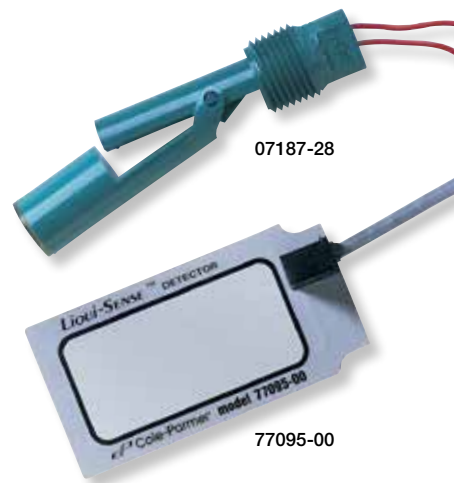


Power	Relay	Socket	Catalog number	Price
90 to 115 VAC, 50/60 Hz	10.0 A	US Standard	GY-77096-00	
180 to 230 VAC, 50/60 Hz	6.3 A	IEC 320F	GY-77096-05	



REQUIRED System Components

- 1) Controller
[77096-00](#) or [-05](#)
 - 2) Sensor(s)
- Optional**
- 3) 24-Hour application monitor [08330-20](#) (see "Accessories" below)



2. Sensors

Float-Switch Liquid Level Detector for unattended level monitoring and empty-tank pump cut-off. Float switch has 1/2" NPT(M) threaded mount. Requires connecting cable [77095-02](#).

Liquid Detector Pad eliminates loss of costly fluid or damage from hazardous chemicals. Monitors pumps, seals, valves, and tubing for leaks. Less than 1 mL of fluid trips sensor. Includes 3 1/2-ft (1-m) connecting cable with RJ-12 connectors.

Description	Catalog number	Price
Polypropylene float switch	GY-07187-28	
Nylon float switch	GY-07187-30	
Liquid detector pad	GY-77095-00	

[GY-77095-02](#) Connecting cable, 3 1/2 ft (1 m) long

Accessories

[GY-08330-20](#) Application monitor; 24-hour, automatically dials phone or pager under alarm condition

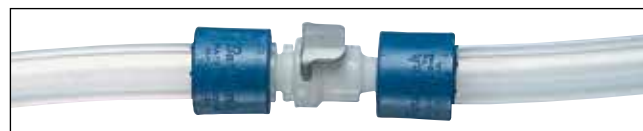
[GY-77095-03](#) Optional extension cable, 10 ft (3.0 m) with RJ12 connections for all sensors

[GY-77095-04](#) Optional extension cable, 15 ft (4.5 m) with RJ12 connections for all sensors

BarbLock™ Ultra-Secure Tubing Retainers

Get leak-free connection to barbed fittings

- Easy to install—ensures that tubing and fitting will not disengage
- Provides seven times the pull resistance of cable ties without crimps or distortion
- Compatible with single- or multi-tiered barbed fittings



Platinum-cured silicone tubing [96410-73](#) shown with BarbLock retainer [30604-04](#) and quick-disconnect fitting [06360-91](#).

BarbLock assemblies provide uniform 360° mechanical compression for a leak-free, durable seal, unlike cable ties or clamps. Fitting will not leak or blow off. Ideal for filtration, since retainer holds tight even with increasing back pressure as filter clogs.

BarbLock assemblies meet USP Class VI standards. Sterilize by radiation, steam, or ethylene oxide (ETO) gas.

Tubing Retainers

Use with Masterflex® pump tubing size	Use with fitting type	Catalog number	Price
L/S® 16	Any barbed fitting	GY-30604-01	
L/S 17 and L/S 15		GY-30604-00	
L/S 24		GY-30604-02	
I/P® 73		GY-30604-04	
I/P 82 and I/P 70		GY-30604-06	
I/P 82 and I/P 70	Quick-disconnects only (see pages 324–336)	GY-30604-08	

Retainer Tools

BarbLock assembly tool for use with	Catalog number	Price
L/S 16 tubing	GY-30604-18	
L/S 15, L/S 17, and L/S 24 tubing	GY-30604-10	
I/P 73 tubing	GY-30604-12	
I/P 82 tubing	GY-30604-14	
Universal BarbLock removal tool	GY-30604-16	