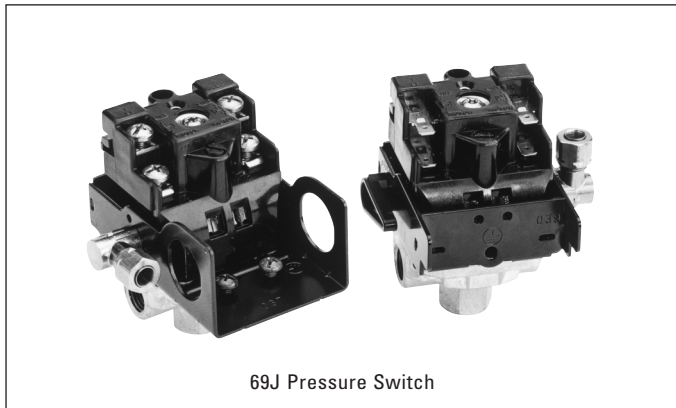


# Special Purpose Controls

## Pressure Switches

### Air and Water Systems

#### Air Systems



The Furnas Brand **69J** pressure switch is used to regulate the tank pressure between two preset values on small (up to 175 psi) electrically driven air compressors. It is available with a newly designed unloader valve which prevents compressors from starting under load. This new design allows the unloader valve to be rotated into eight different positions and be mounted on either side of the pressure switch. An auto-off disconnect lever is also available for manual cut off of the compressor. It can be factory installed to either side of the pressure switch. Two enclosures are available: the standard side cable entry and the new bottom cable entry with built-in clamping strain relief. A four port manifold style is also available which provides a means for easy mounting of relief valves and gauges.



The rugged Furnas Brand **69H** pressure switch is designed for the demanding requirements of larger, heavy duty commercial air compressors (up to 250 psi).

The sturdy painted steel case and cover resists the harsh conditions encountered in industrial applications. This style is also available with an unloader valve to prevent the compressor from starting under load.

#### Water Systems



Developed and sold for use by waterwell professionals, the Furnas Brand **PRO CONTROL** pressure switch answers the professional installer's need for rugged, reliable control with no cutting corners on quality. Built for direct use on all types of pumps up to 5 Hp and for use in the control circuit of a magnetic starter (see Class 14) for larger pumps. The features of **PRO CONTROL** make it standard equipment on some of the world's finest pumps.



The Furnas Brand **69W** pressure switch provides time tested, reliable control for automatic water systems. The switch is universally acceptable for use as original equipment on water well pumps or pumping systems. Its simple design makes it easy to use for professionals and non-professionals alike.

For complete catalog information, see publication **SFCS-5502A-1102**.

# Special Purpose Controls

## Pressure Switches

### Special Application Switches

1

2

3

4

5

6

7



GARD-ALL®

**GARD-ALL** switches combine the functions of a standard pressure switch with protection against low pressure. They prevent the pump from starting whenever the system pressure falls considerably below cut-in pressure. Upon restoration of the water supply, a manual reset lever is depressed until a build up of system pressure permits automatic operation.



REVERSE ACTION

**REVERSE ACTION** pressure switches for air or water cut-in on rising pressure. They are designed to ground the ignition on gas engine driven pumps and compressors when the maximum pressure has been reached, or to act as low pressure alarms, or to prevent pump operation at low pressure. This switch can be supplied with a reset lever.



HI-GARD®

**HI-GARD** switches are wired in series with any system pressure switch. This special pressure switch is designed to cut-out (open the contacts) when a preset pressure is reached and must be manually reset. HI-GARD pressure switch is used when it is desirable to limit the maximum pressure in a system.



GARD-IT®

**GARD-IT** switches are wired in series with a conventional Furnas Brand pressure switch. When failure of the water or air supply causes system pressure to fall considerably below the cut-in point of the regular pressure switch, GARD-IT will turn off the pump motor. When the water supply returns, the system is placed in automatic operation by depressing the manual reset lever until system pressure exceeds the GARD-IT cut off level.

For complete catalog information, see publication **SFCS-5502A-1102**.