

PNEUMATIC CONTROLLER

Type L27



User manual

General informations

The L27 level controllers consist of a microswitch activated by a pressure-sensitive membrane. The switch is activated by compression of an air column trapped in the pipe and pressure chamber under the membrane. The switch can be activated by a water depth of 3 to 15 cm (depending on the model) above the intake opening on the vertical pipe. (The pipe is optional.)

Besides liquids, these controllers can manage any mixture that is fluid enough that emptying the tank will leave the inside of the pipe clear. It can also be used to signal pressures of 20 mm wc or higher.

Purpose

For automated pump management and signaling different levels of liquid in tanks and vessels that store products at atmospheric pressure

The L27 DS level controllers consist of two microswitches and can indicate level's differences.

Materials

Corps et couvercle : Aluminium

Chambre de compression : Reinforced polyester base.

Diaphragm : néoprène

Use conditions

Maximum liquid temperature : 60°C

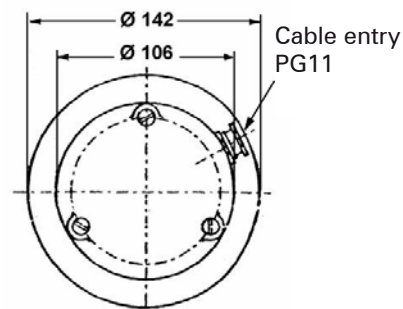
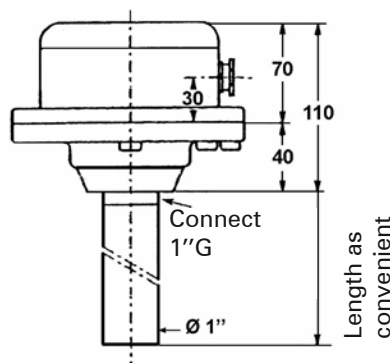
Protection IP54

L27 Control contact : single-pole changeover microswitches. 15A 250V/AC

L27 DS Control contact : 2 single-pole changeover microswitches. 15A 250V/AC

L27 DS Differential between the 2 signals : 30 cm minimum - 1 m maximum

Dimensions



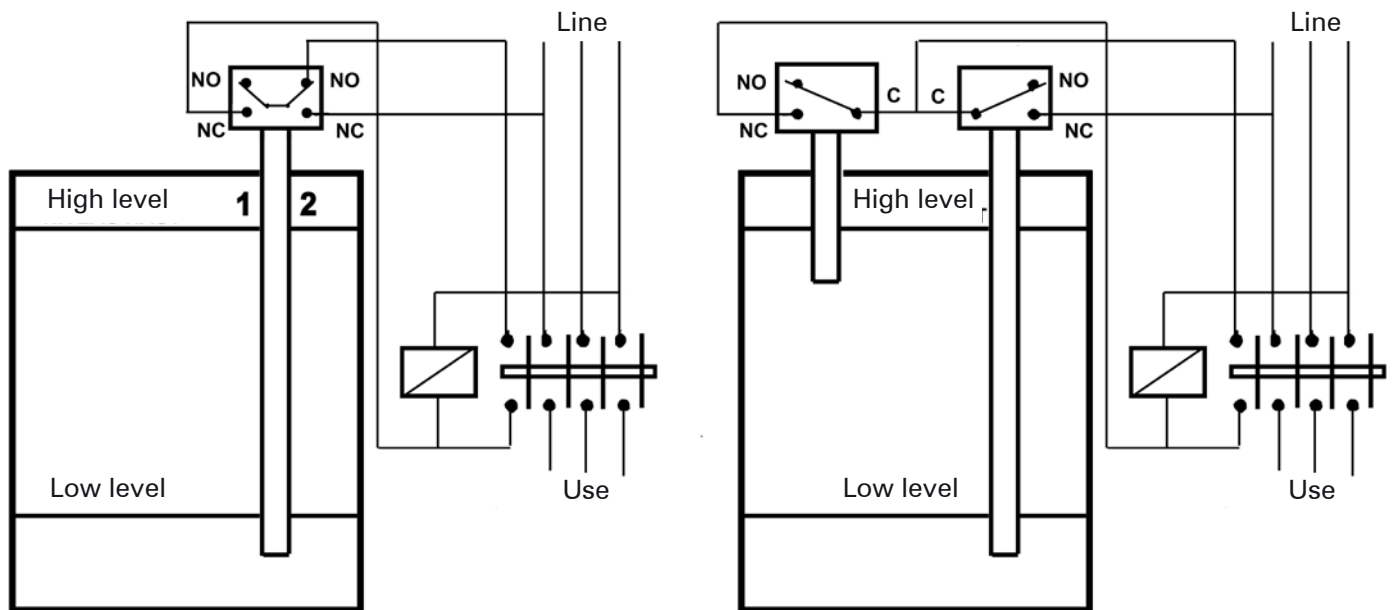
Assembly

It is very simple. They can be attached to vessels of practically any type or size using a 1-inch pipe made of iron, plastic, stainless steel, or other material. Be sure that the threading in the pipe—aside from being spotfaced—is long enough that the end of the pipe puts uniform pressure on the gasket in the base, ensuring that the seal is completely airtight. If this seal is imperfect, the trapped air escapes and cannot activate the switch.

Whenever possible, the controllers should be mounted with the membrane in a horizontal position. If necessary, however, they can be installed in other positions without compromising functionality.

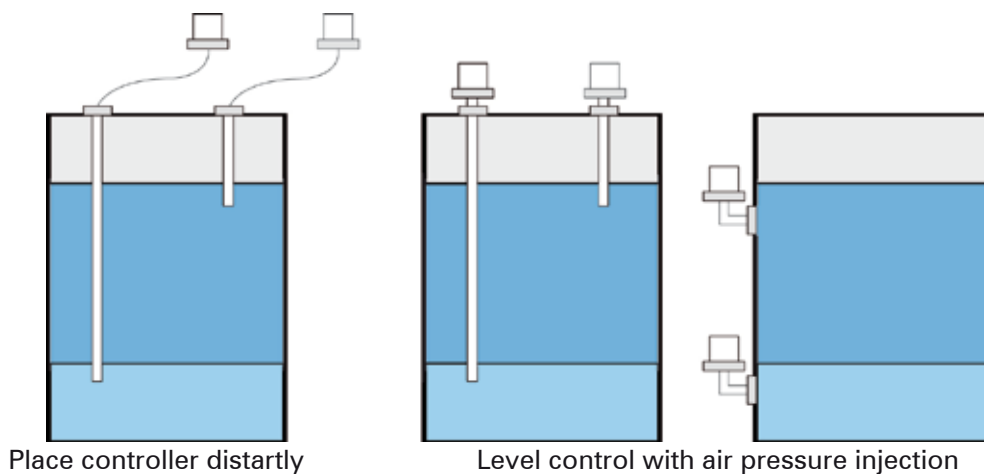
The controller may be placed up to 50 m from the tank. An 8 mm pipe should be used to connect the controller to the tank's 1" pipe Ø interior.

Connection



Installation

L27 1 level controller (high or low ou bas)



L27 DS level's difference controller

