

TECHNICAL DATA SHEET / EN

GUBER-PS

Waterflow pressure switch

Guber-PS converts pressure in a sprinkler alarm line into an electrical switching signal. It is an alarm-initiating device for the connected fire-alarm system, not a pressure gauge or pressure regulator. Its exact model is documented in FM certificate FM25US0294.

When alarm-line pressure reaches the factory setting, the pressure mechanism changes the states of two SPDT contacts. The listed factory adjustment is 4-8 psi, with a 1 psi differential. Wiring and supervision depend on the system design.

01 Technical parameters

Parameter	Value / condition
Connection	1/2 NPT
Working pressure	300 psi / 20.7 bar
Factory setting	4-8 psi (0.28-0.55 bar)
Differential	1 psi (~0.07 bar)
Ambient temperature	-40°C / +60°C
Contacts	2 x SPDT; 15 A / 125-250 VAC; 2.5 A / 30 VDC
Ingress protection	IP65

For the specified pressure-actuated waterflow alarm arrangement. Maintain the water connection free from obstruction and protect water-filled pipework against freezing.

02 Certification and scope

Document	Number	Scope
FM Approvals	FM25US0294	Guber-PS

Approval applies to the stated model and device configuration. It does not automatically cover other variants or associated components.

03 Selection and compatibility

Confirm the 1/2 NPT pressure connection, required contact circuits and electrical loads. The FM-listed maximum system pressure is 300 psi, environmental operating range -40 to +60°C and enclosure rating IP65.

04 Installation and checks

Use the validated terminal diagram and electrical requirements of the installation. Preserve the specified contact load limits and enclosure protection. Do not change factory-sealed settings without an authorised procedure.

05 Operation and maintenance

Inspect the connection, enclosure and wiring and perform a functional alarm test according to the maintenance plan. Restore the circuit and system to normal service after testing.

Application limitations

The environmental temperature rating does not permit water in the connected line to freeze. Physical dimensions and terminal assignments require the exact supplied model's drawing.

06 Ordering information

Variant	Mercatura code
Guber-PS	M-PS10-2A

Specify finish, gasket and required approval scope with the variant identifier. The identifier alone does not establish these attributes.