

WEIGHING DEVICE SIEX-WD

Description

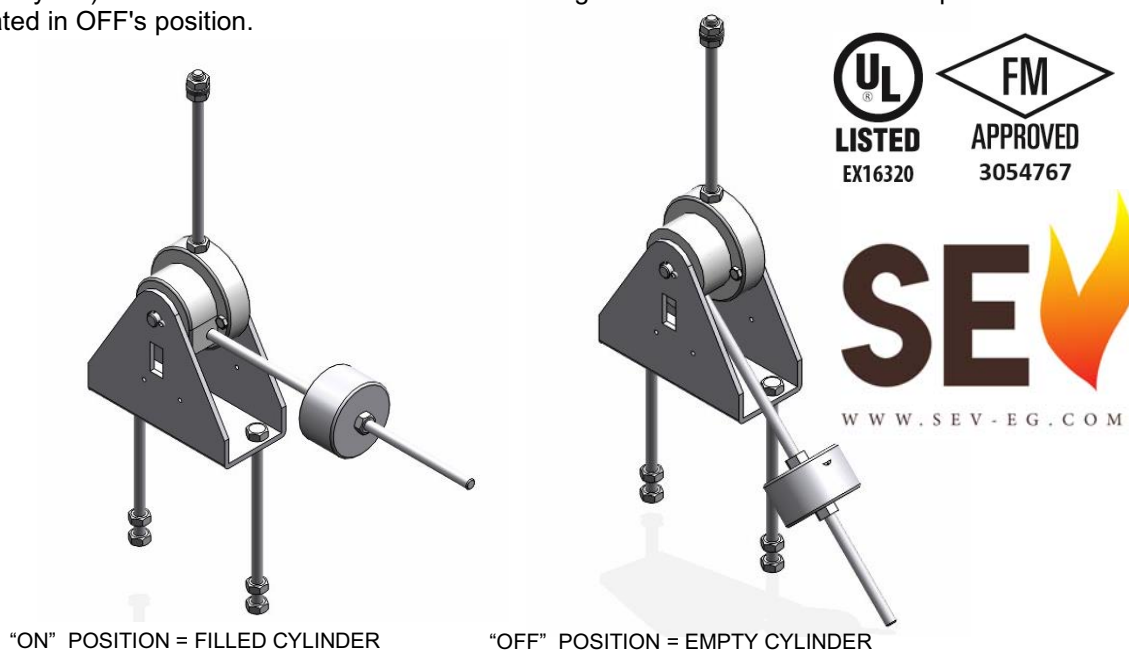
It has as function to detect a small loss of agent's load fire-extinguisher inside the cylinder, good is due to a small escape of the gas or a complete discharge of the above mentioned cylinder. Every unit of weighing device will control the only cylinder, which hangs without touching the soil, moving vertically when any loss of mass takes place in the cylinder.

The weighing device model SIEX-WD for fixed extinguishing systems is used to detect a loss of load in the gas bottles. When the content falls down below a predetermined limit (between 0 and 5 %), the weight was going down.

When the weighing device is operative, the force that exercises the cylinder loaded with CO₂ gas is major that the exercised one for the weight placed in the threaded rod of regulation. Therefore the system will remain in the position ON. In this context it is necessary to indicate that the weight of the loaded bottle is predetermined and that the weighing gets about itself calibrated from factory in order that it works correctly. Nevertheless it is possible to regulate displacing the weight across his rod of regulation.

When the weight of the bottle diminishes (between 0 and 5 %) due to a possible escape or unload, the force exercised by the cylinder will be minor to the exercised one for the weight, with which the system will go on to the position OFF.

This system allows incorporate electrical detection, well with the installation of an end of line (SIEX-WD) (system listed by UL). These electrical devices will send a sign of alarm to the fire control panel when its weight is located in OFF's position.



Technical information

Weighing device SIEX-WD	
Answer to a loss of load	Between 0% and 5% of the net load
Max. permissible gross weight (cylinder+valve+actuator+extinguishing agent)	1252 lb (567,9 Kg)
Min. permissible net weight (extinguishing agent)	881 lb (4 Kg)
Max. permissible net weight (extinguishing agent)	914 lb (415 Kg)
Approvals	UL-EX16320 FM-3054767

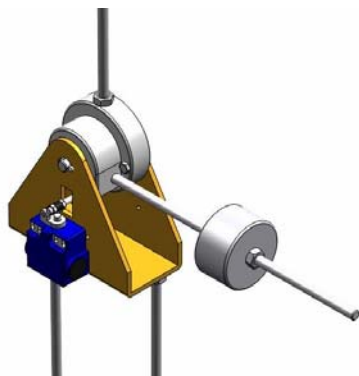
3SE5 242-OHE10 Limit switch for weighing device



Limit switch 3SE5 242-OHE10

Location	Weighing device
Box	Plastic
Tension	24V (DC)
Intensity	3 A
Minimum torque of activation	10 N
Protection range	IP66 / IP67
Connection for cables	2 threaded inlet M20x1.5
Installation	Non corrosive; inside
Contacts	1NO / 1 NC
Approvals	UL-EX16320 FM-3054767

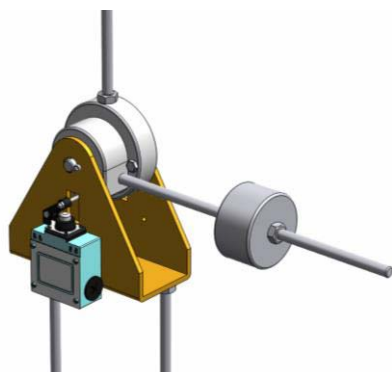
XCK-T2121P16 Limit switch for weighing device



Limit switch XCK-T2121P16

Location	Weighing device
Box	Plastic
Tension	24V (DC)
Intensity	3 A
Maximum operating force	12 N
Protection range	IP66
Connection for cables	2 threaded inlet M20x1.5
Installation	Non corrosive; inside
Contacts	1NO / 1 NC
Approvals	UL-EX16320 FM-3054767

GLE Limit switch for weighing device*



Limit switch GLE*

Location	Weighing device
Case	Metallic
Tension	24V (AC)
Current	3. A
Protection grade	IP67
Connection for cables	2 threaded inlet 1/2"
Contacts	Normally closed / normally opened
Approvals	CE, UL, CSA and CCC UL-EX16320

*This is not part of the FM Approvals.

WARNING: This type of weighing device SIEX-WD is manufactured and approved to be used in fixed extinguishing installations with CO2 Gas. This product is not designed for other use or purpose. If product user has any doubt regarding the application or product use, please contact +34 947 28 11 08. Every not approved use or application or / and any other not approved modification of the product or its function may cause serious accidents or / and personal damages. SIEX 2001 S.L. is not responsible for any non-approved use of the application.

IMPORTANT: SIEX 2001 S.L. reserves the right to change or modify without previous notice any data or specification due to changes or modification in order to improve the products presented.