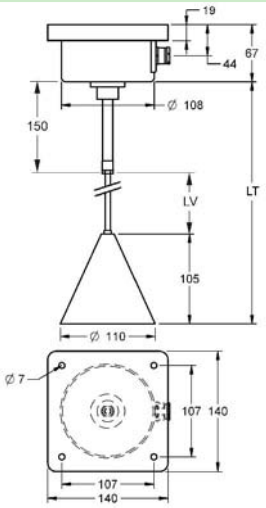
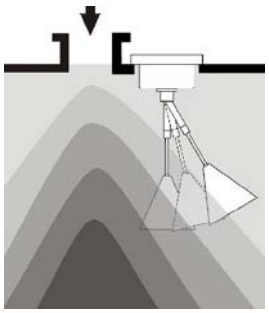
CNP - H



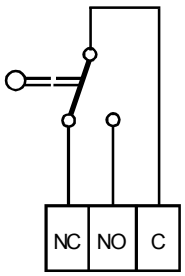
DISPLACEMENT SWITCH

Function	Control of the high level for products creating slopes during the load of the silo. To be installed in the floor of concrete silos.
Operating mode	The conus of the controller must be in touch with the product. When the slope formed by the product when filling the silo is in touch with the conus, makes against it a progressive pressure moving the pendulum (conus/rod) and acting over a switch that must be conected to the control systems to do the stop or the start of the mechanisms for signaling and transport. When emptying the silo, the pendulum returns to its original position and release the switch.
Process connection	Flange □140 mm
Electrical connection	Connection housing in aluminium
Output	Relay SPDT 10A / 250VAC
Temperature (ºC)	-20..+100
Pressure	It controls products with density higher than 0,150 Kg/m^3
Rod	Standard length (LV) 500 mm. Is attached to a flexible thrust to prevent the material to bend. Other lengths on request.
Total length (LT)	300..2000 mm
Conus material	Injected aluminium
Cables input	Threaded hole PG11
Protection	IP65
Installation	This sensor must be only installed in the floor of the concrete silo and always for the control of the maximum level. For a good operation, the following remarks must be attended: · Without product, the pendulum must remain perpendicular to the connection housing. · The incoming product must not hit anytime neither the conus nor the rod. · The sensor must be placed with such a distance around it that when the pendulum moves, it does not touch the silo walls before the switch be operated. · It is not convenient that the slope be smaller than 20º from the horizontal. · The product in the silo must not have an aparent density less than 0,25.



The push of the product displaces the pendulum (conus/rod) and when it reaches an inclination of 10º, a switch is operated.

Assembly in concrete silos using an embedded sheet.



Connection schema

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