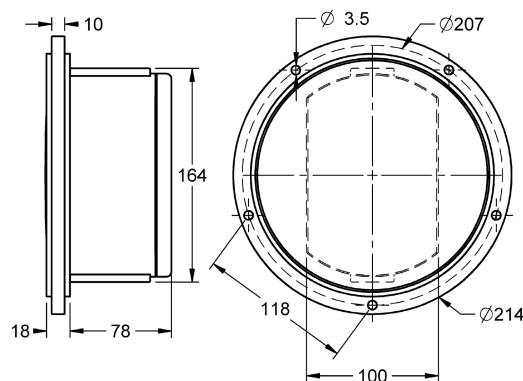


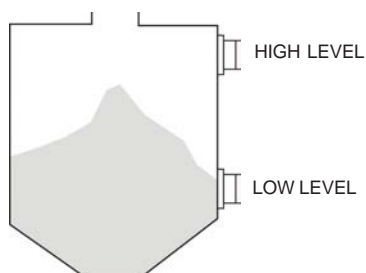
## CNM 40

### LEVEL CONTROL FOR SOLIDS

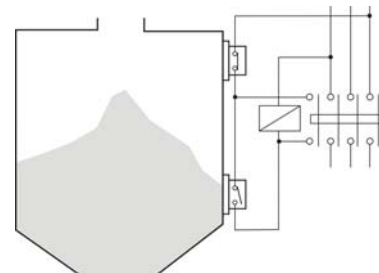


Application field	Controller by membrane for the level control of materials in bulk of easy flow, at atmospheric pressure.
Operating principle	The membrane must be in touch with the material to be controlled. As the material that enters the silo accumulates and covers the membrane, the pressure that exerts the material pushes back the membrane pressing the mechanism that drives a switch. This switch is used to operate visual or acoustic signals, or to start the loading and unloading mechanisms in silos and containers.
Body material	Cast aluminium
Membrane	Ø214 mm. Standard nitrile. Neoprene, viton, stainless steel, etc., on request.
Operating temperature	-20..+80°C
Output contact	SPDT micro-switch 5 A/250 V
Pressure	Adjustable, minimum 8 g/cm <sup>3</sup>
Sensitivity	By adjusting the screw over the spring in the regulation mechanism, the material must push strongly or weakly for acting the switch.
Protection	IP53
Pressure	Standard 100 gr., 200 gr. On request 10..25 g. adjustable sensibility to 100..200 g. With stainless steel membrane, adjustable sensitivity from 200..500g.
Output contact	SPDT Micro-switch 15 A 230 VCA
Cables input	Threaded hole for PG11 in the top side.
Sensibility	Moving the holding support to the central part, the material must push strongly for acting the switch. <b>Models with adjustable sensibility:</b> By adjusting the nut of the regulation mechanism, the material must push strongly or weakly for acting the switch. <b>Models with pressure to 10 g.:</b> It is not recommended to adjust the sensitivity. They are pre-adjusted to the maximum sensibility.
Installation	These equipments must be installed with the membrane in vertical position to assure the release of the switch when the tank become empty.

Installation



Connection example



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