



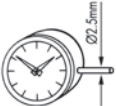
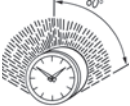






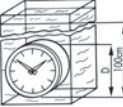
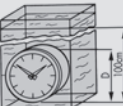


10.9 IP Protection Classification

IP Protection Classification for Cases according to international Standard EN 60529			
1 st digit Protection against intrusion of solid foreign bodies.		2 nd digit Protection against penetration of liquids.	
0	No protection.	0	No protection.
1	 <p>Protection against intrusion of solid foreign bodies, Ø larger than 50 mm (hands).</p>	1	 <p>Protection against drops of condensed water falling vertically.</p>
2	 <p>Protection against intrusion of solid foreign bodies, Ø larger than 12 mm (fingers).</p>	2	 <p>Protection against drops of liquid falling at an angle equal to or smaller than 15° with respect to the vertical.</p>
3	 <p>Protection against intrusion of solid foreign bodies, Ø larger than 2.5 mm (tools, wires).</p>	3	 <p>Protection against drops of liquid falling at an angle equal to or smaller than 60° with respect to the vertical.</p>
4	 <p>Protection against intrusion of solid foreign bodies, Ø larger than 1 mm (wires).</p>	4	 <p>Protection against liquid splashed from any direction.</p>
5	 <p>Protection against harmful deposits of dust, which damage the correct operation.</p>	5	 <p>Protection against water jets projected by a nozzle from any direction.</p>
6	 <p>Complete protection against intrusion of dust.</p>	6	 <p>Protection against water from heavy sea on ship's decks.</p>
<p>As a specification for cases of rotary controls does not exist, we refer to International Standard EN 60529 for protection classification of cases for electrical machines, devices of materials.</p>		7	 <p>Protection against immersion in water under stated conditions of pressure and time.</p>
		8	 <p>Protection against indefinite immersion in water under stated conditions of pressure.</p>