TECHNICAL DATA SHEET – C.I. THERMOSTAT

1. General Description

Electromechanical sensor designed to detect critical levels (empty or full) in liquids. Its operation is based on a magnetic float that, as it moves along the stem, activates a hermetically sealed reed switch.

2. Especificaciones Técnicas

Characteristic	Standard Detail
Stem Length	65 mm (Approx. Total Length)
Body Material	Stainless Steel / Brass (depending on version)
Float Material	PP (Polypropylene) or Stainless Steel
Contact Type	SPST (Normally Open or Normally Closed, configurable by inverting the float)
Switching Capacity	10W / 50W (máx.)
Operating Voltage	0 - 220V AC/DC
Maximum Current	0.5A - 1.0A
Mounting	Male Thread (G1/2" or M10 usually)
Cable Length	30 cm - 40 cm

3. Physical Characteristics

• Robust Construction: The brass hexagonal base allows firm tightening with a fixed wrench, preventing leaks through its included O-ring seal.

• Versatility: The detection logic can be easily changed: if the sensor is “Normally Open,” simply remove the safety clip, invert the float, and reinstall it to make it operate as “Normally Closed.”

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4. Common Applications

• Water tank or reservoir filling control.

• Safety systems to prevent water pumps from running dry.

• Oil level detection in industrial machinery.
