

ROTARY LEVEL CONTROL IRC



Operation :

The principle behind these controllers is centred surrounding a low-speed synchronous gear motor. On the product side, there are the gear paddles activated by the gear motor, connected by a double-support axis and protection clutch.

When the product reaches the paddle and the paddle finds resistance when turning, it turns the gear motor on its own axis and activates two microswitches. One of them disconnects the engine and the other acts on the control devices, stopping or igniting the engine, signalling, conveyors, supply... When the paddles are free of the product, the gear motor is connected again and the control signal is reversed.

Placement :

The controller must be installed in an appropriate position, so that the incoming material reaches the axis and the paddles when the silo or deposit fills and let them free again on empty.

Keep the product being managed from falling directly on the paddles.

Use, when necessary, a protection metal sheet. When the controller works on silos or vessels subject to pressure and depressure, it is convenient that the cable input is hermetically closed.

Technical overview

Principle of operation	Main features	Protection	Casing
Rotating paddles. With stainless steel wire extender until 8-m.	No adjustments needed. Clamp vertical mounting.	IP65	Aluminum

Axis and paddles	Temperature	Pressure	Power supply	Control contact
Stainless steel. Large range of types available	-20°C to +80°C Option +150°C	Max. 1 bar	Standard 230V 50-60 Hz. Other voltages available	Single-pole changeover microswitch. 15A 250V/AC.