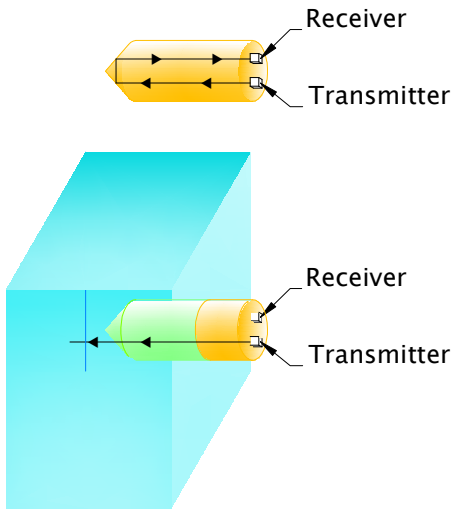
TECHNOLOGY



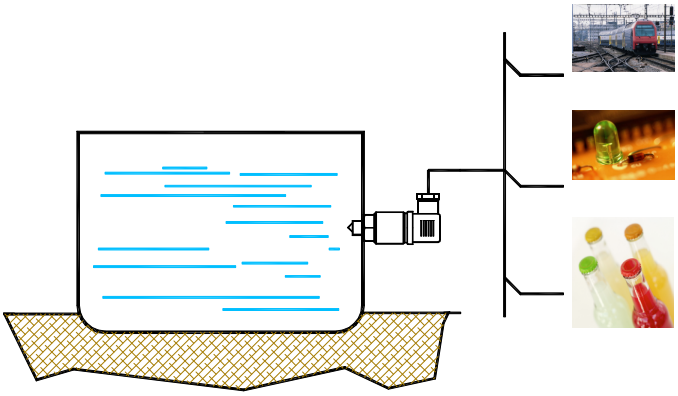
Optics

The optical system consists of an polysulfone prism, whose geometric shape, in the absence of liquid, is such as to reflect the infrared light beam generated by the emitter towards the receiver. By immersing the prism in a translucid liquid, the refraction condition around to it will change, so that great part of the infrared light beam, normally reflected to the receiver, will be dispersed in the liquid.

Electronics

The electronic circuit, generates the infrared light beam to be sent to the prism. The beam, by it reflected, is processed by a receiver which, based on the amount of light reflected by the prism, defines the presence or absence of the liquid and consequently change the state of the output circuit. The latter, being of push-pull type, allows the user to choose whether to activate the load, connected to the sensor, in presence or in absence of liquid.

FIELD OF APPLICATION



- Level monitoring of liquids, in tanks even small in size.
- Activation of audible or visible alarm
- Starting and stopping pumps
- Dosing and mixing
- Control of drinking water on boats
- Beverage Industry, control of, whether or not colored translucent liquids.
- Water treatment plants.

ADVANTAGES

- Rugged and simple device structure
- Long service life
- Maintenance-free
- Integrated electronics

TECHNICAL DATA

Concept	Reflection of infrared light-beam
Process connection	3/8” o 1/2”
Type of connection	Parallel thread
Max. Work Pressure	PN200
Liquid temperature	- 40°C ÷ +85°C
Load driver	PUSH-PULL (15-35V / 3 W)
Materials	Brass - Stainless steel - polysulfone

CONSTRUCTION

- **IP65 Protection**
  DIN 43650A connector
- **IP67 Protection**
  M12x1 Connector