ZNC-YW680 Photoelectric Level Switch

I. Product Introduction：

Photoelectric level switches are switching devices that use photoelectric sensors to control the switch and thus the liquid level.

Photoelectric level switch using infrared detection, the use of light refraction and reflection principle, light in two different media interface will produce reflection or refraction phenomenon. When the measured liquid is in the high level, the measured liquid and photoelectric switch to form a kind of interface, when the measured liquid is in the low level, the air and photoelectric switch to form another kind of interface, these two kinds of interface make the photoelectric switch internal light receiving crystal received by the intensity of the reflected light is different, that is, corresponding to two different switching state.

II. Product features：

(1) A variety of shell materials can be selected, can be acid and alkali resistant;

(2) Small size, can be installed in the narrow space location, easy to install, save time;

(3) Accurate repeatable switch point;

(4) LED indicates alarm status, light on indicates output action.

III. Applicable medium:

It is mainly applied to liquid level control in water purification/wastewater treatment, petrochemical industry, fuel industry, hydraulic machinery, generator equipment, electrician, papermaking, printing, food, beverage and many other industries.

IV. Technical Parameters

Work pressure	≤1MPa
Operating temperature	-20~80℃
Supply Voltage	5~12VDC / 10~28VDC（±5%）
Supply Current	500mA
Output type	NPN, PNP and switching output types
Available materials	PC, Brass, Polysulfone Resin, SUS304
Applicable medium	Oil, wastewater, aqueous solutions, wine, alcohol, etc.
Wire length	20AWG, 250mm PTFE Wire, 8mm Tin Plated
Connection method	G pipe threads, NPT tapered pipe threads, M threads and SAE (with O-rings).

V. Instrument Selection

Type						Description
ZNC-YW680	□	/□	/□	/□	/□	
Encapsulation material	P					PC
	J					Polysulfone resin
	C					Brass
	S					SUS2204
Output form		K				Switching output
		P				PNP
		N				NPN
Supply Voltage			01			5 VDC
			02			5~12 VDC
			03			10~28VDC
Connection method				-G0		M12X1
				-G1		1/4 NPT
				-G2		1/2 NPT
				-G3		G1/2
Contact form					NO	Normally Open Contacts
					NC	Normally Closed Contacts