

Photoelectrical sensors of the Gxx series are all-purpose switches used in machine systems and equipment for no contact surveillance of motion of elements. They are based on the photoelectric principle of operation – inside the sensor there is a photo signal emitter and receiver of the returned signal. There are three types of sensors: diffuse sensors, reflector sensors and emitter-receiver sensors. These types of sensors differ in the way of returning the signal. They allow for gearing distance adjustment. They are developed on the base of PNP and NPN transition. They have small dimensions and feature a metal cylindrical shell resistant to vibrations and a plastic lid which is oil and water resistant.

Technical features:

- * Insulating resistance: $\geq 50 \text{ M } \Omega$.
- * Gearing distance: from 2 mm to 7 mm
- * Precision of repetition: 0.01
- * Ambient temperature: -25 C to +70 C
- * Gearing speed: 5mm/s
- * Rated voltage: 0-36VDC; 90-230VAC
- * Protection degree: IP 67



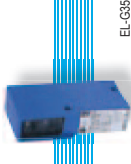
EL-G12



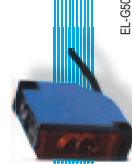
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EL-G30



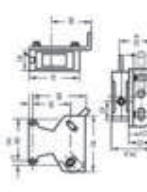
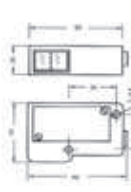
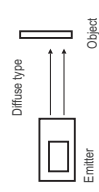
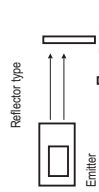
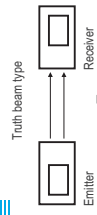
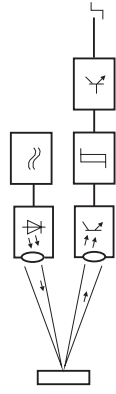
EL-G35



EL-G50



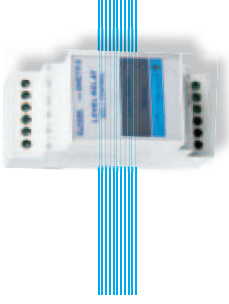
EL-BZ1



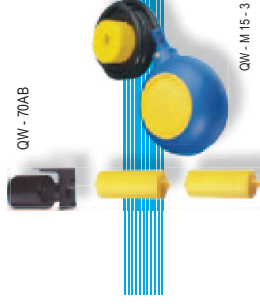
Float switches

Float switches of the type QW-xx-x are sealed units for direct pump control. They are intended for continuous liquid level maintenance in pools, tanks or ponds exercised through direct control of the pumping in or out process in the respective reservoir. They are pre-wired and depending on the chosen configuration can control either the pumping in, or pumping out of the reservoir. They allow direct control of single phase pumps with mounted power of 1 kW. Float switches are waterproof.

The automatic level control units of the DHC1Y-xx series are intended for mounting on pumping control panels. They do not use any additional sensors, but conductive probes to contact the liquid. The unit sends low (harmless) voltage signals to the probes and once a contact between a probe and liquid is established, the unit changes its contacts state. Units are available in three variants with different number of control contacts suitable for different applications. Each contact can transfer current of up to 5A, which is enough to ensure control over the powerful pumps; contactors or to directly control pumps with mounted power of 1 kW. The automatic level control units can be installed on a DIN rail.



QW - 70AB



QW - M 15 - 3



Type	Number of probes (No. of levels)	Output Load (A)	Accuracy	Operating Voltage (V)	Note	Packing / Box (pcs)	Catalogue number
DHC1Y - S	1	5	±1%	230	-	100	46DW001
DHC1Y - SD	3	5	±1%	230	-	100	46DW002
DHC1Y - T	1	5	±1%	230	2 pumps control	100	46DW003

Type	Number of probes (No. of levels)	Output Load (A)	Accuracy	Operating Voltage (V)	Note	Packing / Box (pcs)	Catalogue number
QW - M 15 - 3	2	6	±1%	230	-	1 / 30	46DW004
QW - 70AB	2	4	±1%	230	-	1 / 20	46DW005

Power supplies

The DRP-xx-xx series of power supplies are voltage reduction and rectification units ideally suited to provide stable power supply of systems and equipment for contact-free movement monitoring elements (such as inductive, capacity and photo sensors, logic elements and systems, etc.). They have small overall dimensions and can be installed on a DIN rail. The power units have metal or plastic cases resistant to vibrations and plastic oil- and waterproof covers. They are able to provide stable output voltage at comparatively fluctuating input voltage. Devices have built-in overload and short circuit protection, allowing short time overload of up to 130%. Power supplies are available with various output voltages (5, 12, 15 and 24 V DC) and different output power rates.

Technical Specifications:

- * Input voltage: 80 ~ 230V AC
- * Over-voltage: 115 ~ 135% of the rated output voltage
- * Overload: 120 ~ 120% of the rated output power
- * Protection level: IP44
- * Power indicator
- * Installation: DIN rail
- * Cooling: Free air cooling convection

Type	Input Voltage (V)	Output Load (A)	Tolerance	Power (W)	Dimensions WH/L (mm)	Packing / Box (pcs)	Catalogue number
DR-45-5	5	5	±2%	25	78 / 93 / 56	1 / 50	46DR455
DR-45-12	12	3.5	±1%	42	78 / 93 / 56	1 / 50	46DR4512
DR-45-15	15	2.8	±1%	42	78 / 93 / 56	1 / 45	46DR4515
DR-45-24	24	2	±1%	48	78 / 93 / 56	1 / 16	46DR4524

Type	Input Voltage (V)	Output Load (A)	Tolerance	Power (W)	Dimensions WH/L (mm)	Packing / Box (pcs)	Catalogue number
DR-75-12	12	6.3	±2%	75	55.5 / 125.3 / 100	1 / 18	46DR7512
DR-75-24	24	3.2	±1%	75	55.5 / 125.3 / 100	1 / 18	46DR7524
DRP-240-24	24	10	±1%	240	125.5 / 125.3 / 100	1 / 12	46DR2424