

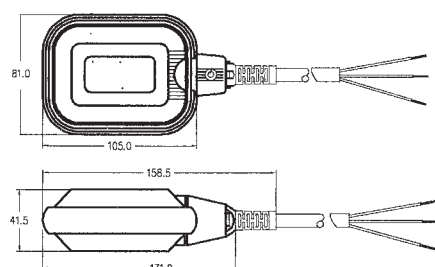
Electromechanical level regulator

The Key level regulator is a float switch which allows electrical equipment to start and stop automatically (usually pumps, but also electric control valves, alarms, etc.) when a prefixed level has been reached. It is highly reliable thanks to a multiple closure device on the fairlead.

This is the most universally used float switch in the world for the automation of pumps and is used directly by pump producers. The models with cable 3X1 or cable 4G1 can be used for the filling or emptying function according to the cables that have been connected.

The models with 3G1 cable (with ground) or UL cable are set for one function only, and that is for filling or emptying.

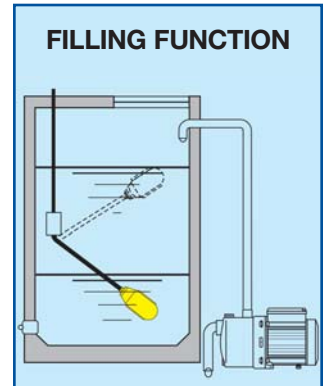
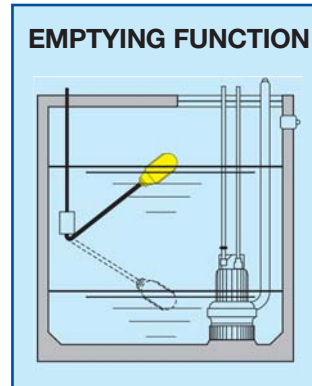
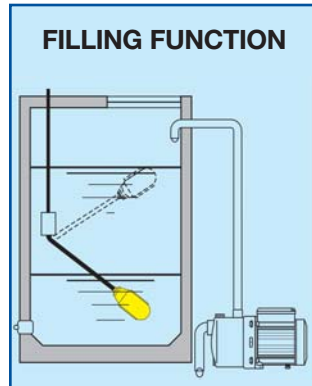
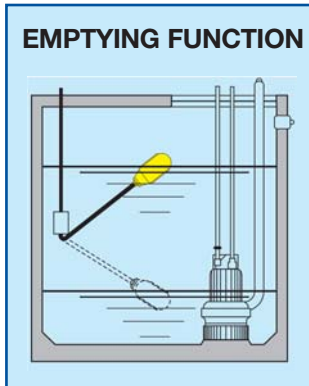
The minimum working distance between the Key level regulator and the fixing point is 20 cm.



Type	K04-10	K08-10	O2T	K06-10-400
Output cable	PVC 3X1	PVC 3X1	H07RN-F 3G1	H07RN-F 3G1
Cable diameter	9 ± 0,3 mm	9 ± 0,3 mm	9 ± 0,3 mm	9 ± 0,3 mm
Code	KPM0006KY0	HPM0006HY0	KVM00065Y0	HVM0006LY0
Output cable	A07RN-F 3X1	A07RN-F 3X1	H07RN-F 4G1	H07RN-F 4G1
Cable diameter	9 ± 0,3 mm	9 ± 0,3 mm	10 mm nominal value	10 mm nominal value
Code	KGM0006KY0	HGM0006HY0	KZM00065Y0	HZM0006LY0
Features				
Microswitch electrical features	16(4)A 250V ~	21(8)A 250V~	16(4)A 250V ~	21(8)A 250V~
Approval certificates	ENEC/CE	ENEC/CE	ENEC/CE	ENEC/CE
External marking	10(4)A 250V~	10(8)A 250V~	10(4)A 250V ~	10(8)A 250V~
Operating temperature	0° ÷ + 50° C	0° ÷ + 50° C	0° ÷ + 50° C	0° ÷ + 50° C
Storage temperature	-20°C ÷ + 80° C	-20°C ÷ + 80° C	-20°C ÷ + 80° C	-20°C ÷ + 80° C
Pollution Index	IP68	IP68	IP68	IP68
Switch angle	± 45°	± 45°	± 45°	± 45°
Dimensions	mm 81x131x41.5	mm 81x131x41.5	mm 81x131x41.5	mm 81x131x41.5
Weight	gr.157	gr.157	gr. 163	gr. 163
Volume	cm³ 280	cm³ 280	cm³ 280	cm³ 280
Specific weight	0,561	0,561	0,582	0,582
Buoyancy	gr.123	gr.123	gr.117	gr.117
Max depth level	1BAR	1BAR	1BAR	1BAR
Housing	Non-toxic polypropylene (PP)	Non-toxic polypropylene (PP)	Non-toxic polypropylene (PP)	Non-toxic polypropylene (PP)
Colouring	Non-toxic	Non-toxic	Non-toxic	Non-toxic
Function class	II	II	I	I
Wiring (pag. 14)	fig.1-2	fig.1-2	H07RN-F 3G1 fig. 3-4 H07RN-F 4G1 fig. 7-8	H07RN-F 3G1 fig. 3-4 H07RN-F 4G1 fig. 7-8
note	Also available with H07RN - F 2x1 PVC 2x1 cable. In this case please specify if needed for filling or emptying function.		Also available with H07RN-F 3G1 OIL RESISTANT cable. When ordering with 3G1 cable please specify if needed for filling or emptying function.	

Type	K06-10-400/B	96/110
Output cable	H07RN-F 3G1	SJTW 3x16AWG (Special Cable)
Cable diameter	9 ± 0,3 mm	9 mm nominal value
Code	LVM0006GY0	HAM0006EE0
Output cable	H07RN-F 4G1	
Cable diameter	10 mm nominal value	
Code	LZM0006GY0	
Features		
Microswitch electrical features	20(8)A 250V~ 10(6)A 400V~	21(8)A 250V~
Approval certificates	ENEC/CE	UL/CSA
External marking	10(8)A 250V~ 10(6)A 400V~	2HP 250V~ 12 FLA 1HP 125V~ 16 FLA
Operating temperature	0° ÷ + 50° C	0° ÷ + 60° C
Storage temperature	-20°C ÷ + 80° C	-20°C ÷ + 80° C
Pollution Index	IP68	IP68
Switch angle	± 45°	± 45°
Dimensions	mm 81x131x41.5	mm 81x131x41.5
Weight	gr. 163	gr. 169
Volume	cm ³ 280	cm ³ 280
Specific weight	0,582	0,580
Buoyancy	gr. 117	gr. 111
Max depth level	1BAR	1BAR
Housing	Non-toxic polypropylene (PP)	Polypropylene UL/CSA
Colouring	Non-toxic	Non-toxic
Function class	I	I
Wiring (pag. 14)	H07RN-F-3G1 fig. 3-4 H07RN-F-4G1 fig. 7-8	fig. 5-6
note	When ordering with 3G1 cable please specify if needed for filling or emptying function.	When ordering please specify if needed for filling or emptying function.

Wiring diagrams



3x1 CABLE

fig. 1 - EMPTYING

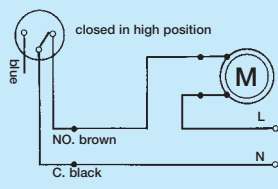
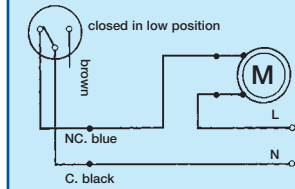


fig. 2 - FILLING



UL /CSA CABLE

fig. 5 - EMPTYING

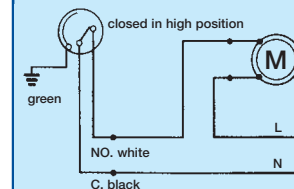
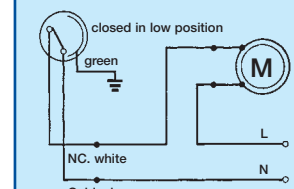


fig. 6 - FILLING



3G1 CABLE

fig. 3 - EMPTYING

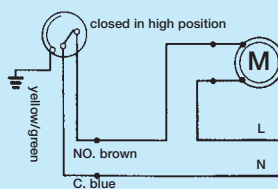
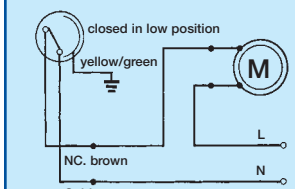


fig. 4 - FILLING



4G1 CABLE

fig. 7 - EMPTYING

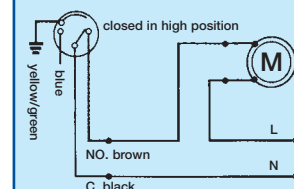
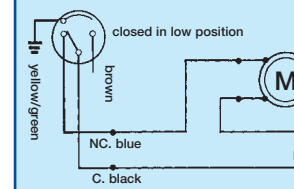
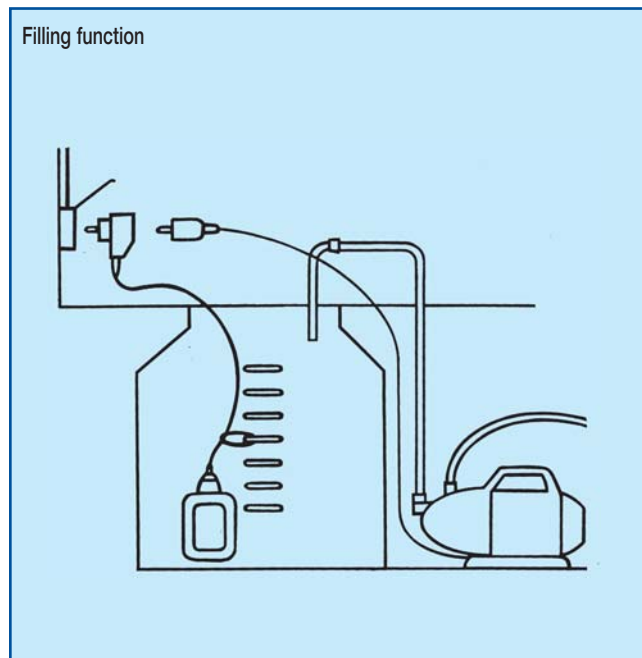
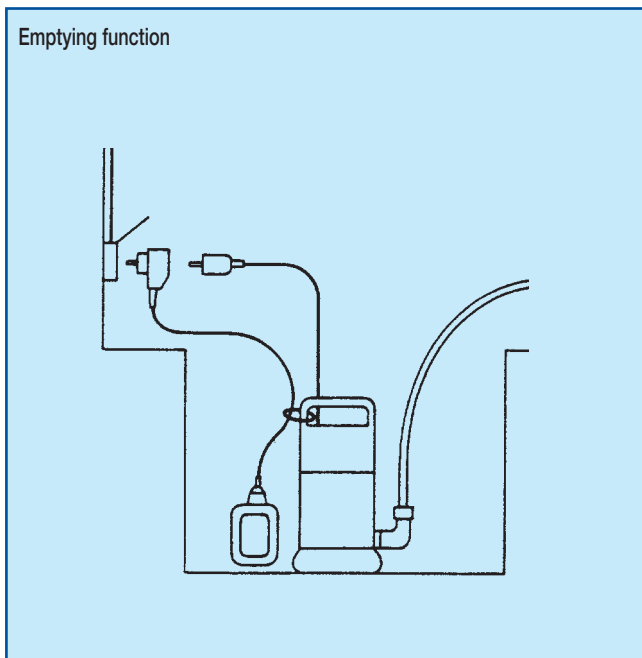


fig. 8 - FILLING



Plug application for filling and emptying functions



Counterweights

This item is inserted directly onto the level regulator output cable.

Counterweights		
Code	CONTR	CONTRP
Weight	Standard gr. 200	On request gr. 300
Dimensions	Ø 47X55	Ø 47X55
Material	Shock resistant polystyrene	Shock resistant polystyrene
Standard colour	yellow	yellow
Filling material	sand + iron shot	sand + iron shot
note	On request for large quantities other colours available	

