

HIGHLOGO

CONTROL UNITS AND COMPONENTS

- Large backlit clear text display
- Intuitive operation
- Start-up assistant
- Multilingual
- Compact housing
- ATEX-compliant with electromechanical motor protection
- Connection option for analog level sensors 4-20 mA



DESCRIPTION

HighLogo microprocessor controls are the convenient solution for monitoring and level-dependent switching of one or two directly starting sewage pumps with or without explosion proof protection. The compact housings (IP44) of the single and duplex units allow space-saving installation inside the building or in an outdoor column outside.

The operating status of the pump station is indicated via the graphic display and an additional LED. The control system can be operated and set intuitively via a multifunction button and a push-button. The multilingual menu can be used to display the operating hours and switch-on cycles of the pump(s), the current consumption, any fault messages and a maintenance reminder. An integrated event memory offers additional diagnostic options. Fault messages and a high-water alarm are reported via the display and an alarm buzzer and can be forwarded via potential-free contacts. In addition, the direct connection of a 230V warning signal is possible.

In the event of a mains failure, a high-water alarm can be signalled by means of an optional 9V rechargeable battery. In addition, it is possible to issue differentiated fault messages via SMS an optional, integrated GSM modem.

HighLogo controls have connection options for digital and analogue level sensors. These can be found in different versions in the accessories section and must be additionally configured. For waste water applications, submersible switch packages are usually used, for wastewater pumps dynamic pressure systems (see also HighLogo LC variants). Furthermore, systems for analogue level detection are available (dynamic pressure sensor module or hydrostatic submersible probe), with which the water level can be read on the display and switching levels can be conveniently set via the control panel of the control unit.

MECHANICAL DATA

HxWxL[mm]	275 x 250 x 155	Extension for accessory	optinoal
Weight	4 kg	Main switch	optinoal

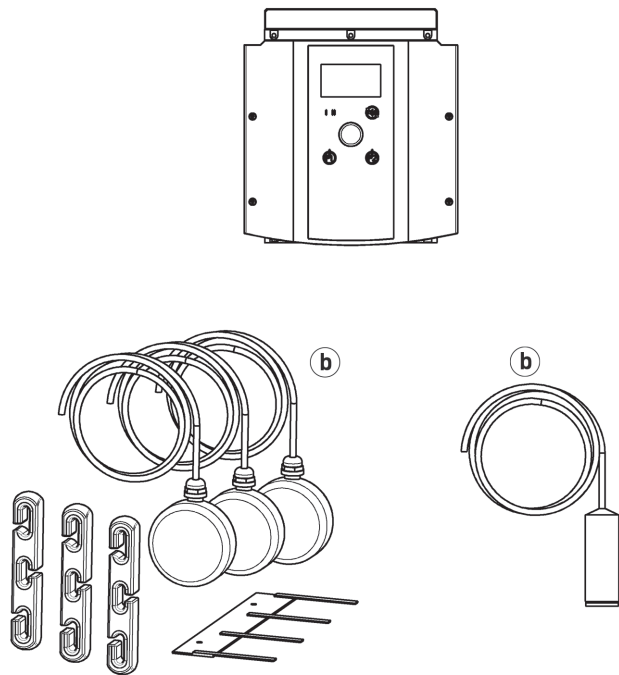
ELECTRICAL DATA

Type of enclosure	IP 44	Digital signal contact	optinoal
Alarm buzzer	Yes	Input AUX	Yes
Connection 9V battery	Yes	Event memory	Yes
Connection thermal contact	Yes	Integrated GSM-Modem	optinoal
Connection dry run protection	Yes	Start	direct
Display operation hours/ switching cycles	Yes	Fault contact 230 V	Yes
Display amps	Yes	Fault contact pot. Free	2 changeover contacts, 5A

HIGHLOGO

Type	Code No.	Voltage	Motor protec- tion	Pre-fuse	Automatic al- ternate opera- tion	Max. switch- ing power	Motor pro- tection typ	Peak load operation
Single units without level control								
HIGHLO- GO 1-00 E	JP47987	1/N/PE~230 V	-	-	No	4 kW	Overload rely	No
HIGHLO- GO 1-00	JP47988	3/N/PE~400 V	-	-	No	4 kW	Overload rely	No
HIGHLOGO 1-25	JP47989	3/N/PE~400 V	2.4 ... 4 A	16 A	No	4 kW	Overload rely	No
HIGHLO- GO 1-46	JP47990	3/N/PE~400 V	4 ... 6 A	16 A	No	4 kW	Overload rely	No
Control for 1 pump								
HIGHLO- GO 1-610	JP47991	3/N/PE~400 V	6 ... 9 A	16 A	No	4 kW	Overload rely	No
Single units without level control								
HIGHLO- GO 1-910	JP47992	3/N/PE~400 V	9 ... 12 A	20 A	No	5,5 kW	Overload rely	No
Duplex units without level control								
HIGHLO- GO 2-00 E	JP47996	1/N/PE~230 V	-	20 A	Yes	4 kW	Motor pro- tection switch	Yes
HIGHLO- GO 2-00	JP47997	3/N/PE~400 V	-	16 A	Yes	4 kW	Motor pro- tection switch	Yes
HIGHLO- GO 2-25	JP47998	3/N/PE~400 V	2.5 ... 4 A	16 A	Yes	4 kW	Motor pro- tection switch	Yes
HIGHLO- GO 2-46	JP47999	3/N/PE~400 V	4 ... 6.3 A	20 A	Yes	4 kW	Motor pro- tection switch	Yes
HIGHLO- GO 2-610	JP48000	3/N/PE~400 V	6.3 ... 10 A	25 A	Yes	4 kW	Motor pro- tection switch	Yes
HIGHLO- GO 2-910	JP48001	3/N/PE~400 V	6.3 ... 10 A	25 A	Yes	5,5 kW	Motor pro- tection switch	Yes

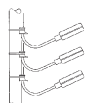
Accessories BmG/immersion sensor



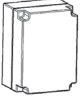
MECHANICAL ACCESSORY

		Code No.
	1 Retaining plate for air bells (in concrete sumps from Ø 1 m)	JP50213

ELECTRICAL ACCESSORY

		Code No.
	a Rechargeable battery 9 V, for mains independent alarm	JP44850
	b Level control	
	Subm. switch pack A 2 subm. ball contact switches 9.5 m and fixing devices	JP16718
	Subm. switch pack AmG 2 subm. ball contact switch with 9.5 m and counterweight	JP16719
	Subm. switch pack B 3 subm. ball contact switch with 9.5 m and fixing devices	JP16725
	Subm. switch pack BmG 3 subm. ball contact switch with 9.5 m and counterweight	JP16726
	Subm. switch pack CmG 1 subm. ball contact switch with counterweight	JP16739
	Submersible switch pack BHmG Submersible ball contact switch 9.5 m with counterweight	JP24769
	Auxiliary switch unit ExH-A for ex-proof pumps only (single-units)	JP16720
	Auxiliary switch unit ExH-B for explosion-proof pumps only for ex-proof pumps only (duplex units)	JP00295
	Submersible probe (10 m) for analogue water level indicator (4-20 mA)	JP44808
	Weight to stabilize the subm. ball contact switch	JP44803
	Smart Home FTJP radio transmitter	JP47209
	c Pre-mounted level control	
	Pressure switch (10 m) with pressure sensor and tube set	JP26196
	Pressure sensor set (10 m) for analogue water level display with tube set	JP26187
	Submersible probe Ex (10 m) for analogue level indicator, housing extension required	JP44809
	Dry run protection (10 m) for ex-proof systems, mounted	JP44807

ELECTRICAL ACCESSORY

			Code No.
	d Pre-mounted accessory		
	Main switch	15 kW, factory fitted only	JP48002
	Modem GSM for HighLogo	factory fitted, incl. flat antenna	JP49356
	Parametrization GSM modul	pre-setting for customer demand	JP55202
	GSM battery fpr HighLogo 1	12V, for single unit, factory fitted	JP25884
	GSM battery fpr HighLogo 2	12V, for duplex units, factory fitted incl. housing extension	JP49357
	e Retrofittable accessory		
	CEE-Plug 16A	1.5 m cable	JP50816
	CEE-Plug 32 A	1.5 m cable	JP50817
	Modem GSM for HighLogo	retrofit unit incl. GSM antenna	JP50444
	Battery 12V with housing	retrofit unit for independent modem operation	JP50635