

HIGHLOGO LC

CONTROL UNITS AND COMPONENTS

- Large backlit clear text display
- Intuitive operation
- Start-up assistant
- Multilingual
- Compact housing
- ATEX-compliant with electromechanical motor protection
- With integrated pressure switch



DESCRIPTION

HighLogo microprocessor control units are the convenient solution for monitoring and level-dependent switching of one or two directly starting sewage pumps with or without explosion 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 multifunction button and push-button. The multilingual menu displays 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, direct connection of a 230V warning signal is possible.

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

Especially for pressure drainage or for sewage pumps in pump sumps up to Ø 1.5 m, the HighLogo control units (LC variant) are already equipped with a dynamic pressure level system as standard. The two integrated pressure switches are connected via air hoses to the open dynamic pressure bells hanging in the pump shaft. This 2-circuit system provides additional safety in the event of a high water level. The submersible switch dry run protection (DRP), which is also included in the scope of delivery, together with the mechanical motor protection and the runtime monitoring during pump operation, fulfils the requirements of the ATEX directive for explosion protection. (ATEX mode selectable via menu navigation)

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MECHANICAL DATA

HxWxL[mm]	275 x 250 x 155
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ELECTRICAL DATA

Pump voltage	3/N/PE-400 V	Digital signal contact	optinoal
Type of enclosure	IP 44	Input AUX	Yes
Alarm buzzer	Yes	Input level control	digital and analog
Connection 9V battery	Yes	Event memory	Yes
Connection thermal contact	Yes	Integrated GSM-Modem	optinoal
Connection dry run protection	Yes	Max. switching power	4 kW
Display operation hours/ switching cycles	Yes	Start	direct
Display amps	Yes	Fault contact pot. Free	2 changeover contacts, 5A

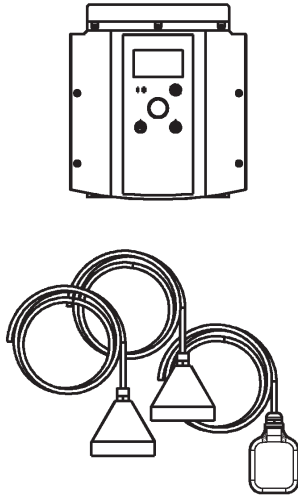
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Type	Code No.	Motor protection	Pre-fuse	Automatic alternate operation	Motor protection typ	Peak load operation	Weight	Main switch
Single units with pressure switches and tube set (10 m) and DRP								
HIGHLOGO 1-25 LC	JP47984	2.4 ... 4 A	16 A	No	Overload rely	No	4.0 kg	No
HIGHLOGO 1-46 LC	JP47985	4 ... 6 A	16 A	No	Overload rely	No	4.0 kg	No
HIGHLOGO 1-610 LC	JP47986	6 ... 9 A	16 A	No	Overload rely	No	4.0 kg	No
Single units with pressure switches, tube set and DRP, with main switch								
HIGHLOGO 1_25 LCS	JP50820	2.4 ... 4 A	16 A	No	Overload rely	No	6.3 kg	Yes
HIGHLOGO 1_46 LCS	JP50821	4 ... 6 A	16 A	No	Overload rely	No	6.3 kg	Yes
HIGHLOGO 1_610 LCS	JP50822	6 ... 9 A	16 A	No	Overload rely	No	6.3 kg	Yes
Single units with pressure switches, without tube set and DRP								
HIGHLOGO 1-25 LCX	JP48286	2.4 ... 4 A	16 A	No	Overload rely	No	4.0 kg	No
HIGHLOGO 1-46 LCX	JP48287	4 ... 6 A	16 A	No	Overload rely	No	4.0 kg	No
HIGHLOGO 1-610 LCX	JP48288	6 ... 9 A	16 A	No	Overload rely	No	4.0 kg	No
Single units with pressure switches, without tube set and DRP, with main switch								
HIGHLOGO 1-25 LCSX	JP48292	2.4 ... 4 A	16 A	No	Overload rely	No	4.0 kg	Yes
HIGHLOGO 1-46 LCSX	JP48293	4 ... 6 A	16 A	No	Overload rely	No	4.0 kg	Yes
HIGHLOGO 1-610 LCSX	JP48294	6 ... 9 A	16 A	No	Overload rely	No	4.0 kg	Yes
Duplex unit with pressure switches and tube sets (10 m) and DRP								
HIGHLOGO 2-25 LC	JP47993	2.5 ... 4 A	16 A	Yes	Motor protection switch	Yes	4.0 kg	No
HIGHLOGO 2-46 LC	JP47994	4 ... 6.3 A	20 A	Yes	Motor protection switch	Yes	4.0 kg	No
HIGHLOGO 2-610 LC	JP47995	6.3 ... 10 A	25 A	Yes	Motor protection switch	Yes	4.0 kg	No
Duplex units with pressure switches, tube set and DRP, with main switch								
HIGHLOGO 2-25 LCS	JP50823	2.5 ... 4 A	16 A	Yes	Motor protection switch	Yes	8.3 kg	Yes
HIGHLOGO 2-46 LCS	JP50824	4 ... 6.3 A	20 A	Yes	Motor protection switch	Yes	8.3 kg	Yes
HIGHLOGO 2-610 LCS	JP50825	6.3 ... 10 A	25 A	Yes	Motor protection switch	Yes	8.3 kg	Yes
Duplex units with pressure switches, without tube set and DRP								
HIGHLOGO 2-25 LCX	JP48289	2.5 ... 4 A	16 A	Yes	Motor protection switch	Yes	4.0 kg	No
HIGHLOGO 2-46 LCX	JP48290	4 ... 6.3 A	20 A	Yes	Motor protection switch	Yes	4.0 kg	No
HIGHLOGO 2-610 LCX	JP48291	6.3 ... 10 A	25 A	Yes	Motor protection switch	Yes	4.0 kg	No
Duplex units with pressure switches, without tube set and DRP, with main switch								
HIGHLOGO 2-25 LCSX	JP48295	2.5 ... 4 A	16 A	Yes	Motor protection switch	Yes	4.0 kg	Yes
HIGHLOGO 2-46 LCSX	JP48296	4 ... 6.3 A	20 A	Yes	Motor protection switch	Yes	4.0 kg	Yes
HIGHLOGO 2-610 LCSX	JP48297	6.3 ... 10 A	25 A	Yes	Motor protection switch	Yes	4.0 kg	Yes

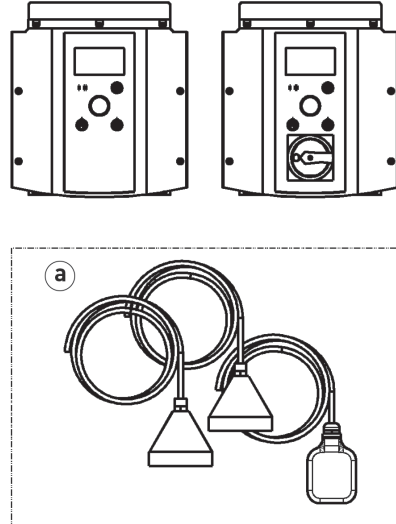
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Equipment HighLogo LC







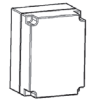
Equipment HighLogo LCX/LCSX



MECHANICAL ACCESSORY

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

ELECTRICAL ACCESSORY

			Code No.
	a Tube set	10 m, DRP pressure switch and tube set 15 m, DRP pressure switch and tube set 20 m, DRP pressure switch and tube set	JP48301 JP48302 JP48303
	b Level control	Weight	JP44803
	c Rechargeable battery	9 V, for mains independent alarm	JP44850
	d Pre-mounted accessory	Modem GSM for HighLogo Parametrization GSM modul GSM battery fpr HighLogo 1 GSM battery fpr HighLogo 2	factory fitted, incl. flat antenna pre-setting for customer demand 12V, for single unit, factory fitted 12V, for duplex units, factory fitted incl. housing extension
	e Retrofittable accessory	CEE-Plug 16A CEE-Plug 32 A Modem GSM for HighLogo Battery 12V with housing	1.5 m cable 1.5 m cable retrofit unit incl. GSM antenna retrofit unit for independent modem operation
			JP49356 JP55202 JP25884 JP49357 JP50816 JP50817 JP50444 JP50635