PENTAIR JUNG PUMPEN

# 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 presssure 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 | | |

### ELECTRICAL DATA

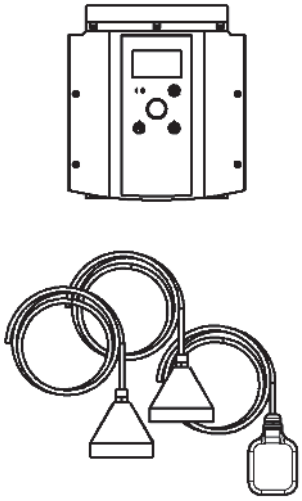
| | | | |
|---|---|---|---|
| Pump voltage | 3/N/PE~400 V | Digital signal contact | optinoal |
| Type of enclosure | IP 44 | Input AUX | Yes |
| Alarm buzzer | Yes | Input level control | digital and analog |
| Connection 9V battery | Yes | Event memory | Yes |
| Connection thermal contact | Yes | Integrated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

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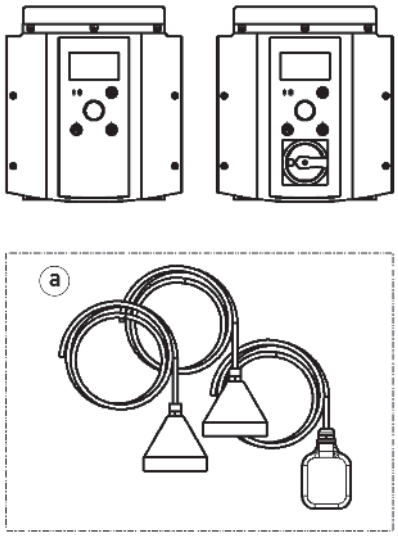
| Type | Code No. | Motor protection | Pre-fuse | Automatic alternate operation | Motor protection typ | Peak load operation | Weight | Main switch |
|---|---|---|---|---|---|---|---|---|
| **Single units with pressure switches and tube set (10 m ) and DRP** | | | | | | | | |
| HIGHLOGO 1-25 LC | **JP47984** | 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 | **JP48301** |
| | | 15 m, DRP pressure switch and tube set | **JP48302** |
| | | 20 m, DRP pressure switch and tube set | **JP48303** |
|  | (b) **Level control** | | |
| | Weight | to stabilize the subm. ball contact switch | **JP44803** |
|  | (c) **Rechargeable battery** | 9 V, for mains independent alarm | **JP44850** |
|  | (d) **Pre-mounted accessory** | | |
| | 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** |