



LR40-Dual Pump Controller Datasheet

Description

The LR40 is a control panel for use with two single or three-phase pumps. The panel comes complete with a built-in alarm. An easy visual display details the current state of the controller and pumps attached.

The LR40 is specifically designed for simplicity in installation and use, with easy-to-follow steps on wiring to specific requirements and clear labelled inputs/outputs with easy fit connectors.

The panel functions in either automatic or manual configuration. Multiple wiring configurations are available for automatic mode. Manual mode is activated using spring back switches and cannot be left on unattended.

Alternating pump control and the option for anti-lock rotor protection, ensures maximum protection for the installed pumps, preventing damage and costly repairs.

Specification

	Rating
Enclosure	
IP rating	IP65
Dimensions [Total]	340x300x120mm
Weight	3.7kg
Cable Gland Configuration	
Supply	1 x M25
Pumps/input/outputs	6 to 9 x M16
Supply Voltage	
240V Variant [single & three phase]	230Vac I/III or 400Vac III - 20% +30% [50/60Hz]
24V Variant	24Vac/dc $\pm 10\%$ [50/60Hz]
Pump Output Current	1-12A each pump
Pump Protection	<ul style="list-style-type: none"> Overcurrent trip Overheating trip Alternating pumps Optional anti-lock rotor protection
Over Current Setting	Settable 1-20A
Switched Input	[Float or Pressure Switch]
Max cable length	200m
Switched voltage	5Vdc
Max switched current	10mA
Audio Output	
Max sound level	105dB 3kHz 12Vdc
Visual Alarm Output	Red flashing LED
Output Relay	
Relay topology	NO, Closed on alarm active
Max current	10A @250Vac
Max Voltage	250Vac
Auxiliary Output	
Voltage	12Vdc
Max Current	250mA [3W]
Terminal Capacity	
Inputs	0.2-4mm ² [tool free wire fitting]
Pump terminals	0.2-10mm ² [screw terminal]
Ambient Temperature	-10°C to +55°C
Backup Battery [Battery variant only]	72 hours max run time



Key Features

- Alternating pumps
- Operates using float switches or pressure switches
- Integrated audio and visual alarm
- Alarm test button
- Alarm audio mute button
- Auxiliary alarm output for accessories such as a beacon or siren
- Volt free alarm relay contact output SPDT
- Power indicator
- Pump failing automatically starts the other
- Easily upgradable GSM module port
- Configurable for ACTIVE open or ACTIVE closed inputs
- Backup battery available with up to 72 hours run time
- Built in GSM display for GSM upgrade module
- Anti-lock rotor protection
- IP65 rated enclosure
- Easy installation no tool required WAGO wiring terminals
- Overcurrent tripping
- Over temperature tripping using Klaxon connections

Accessories

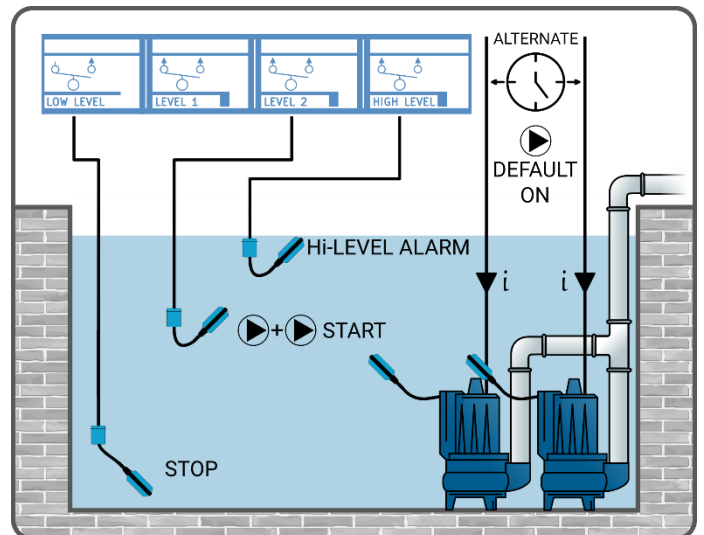
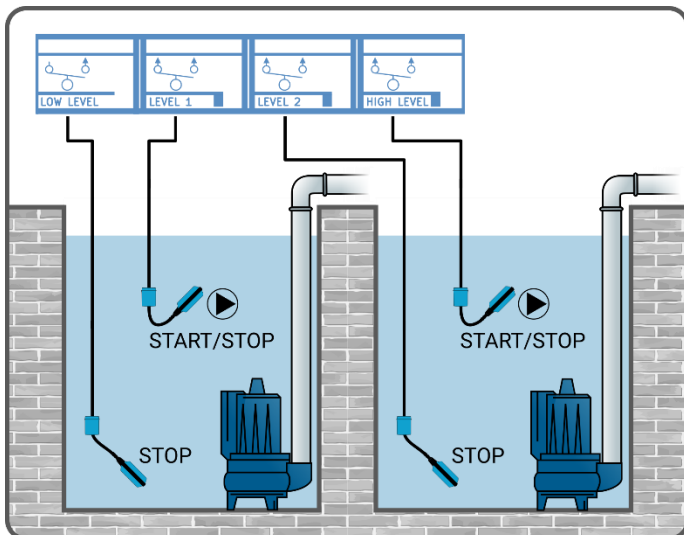
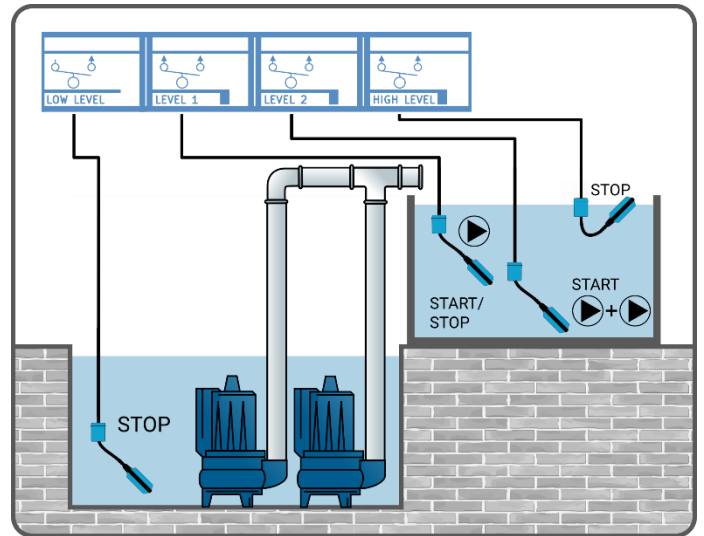
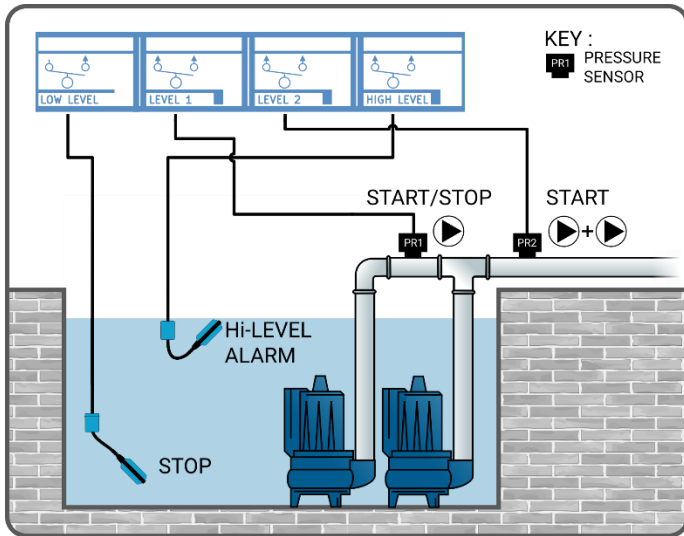
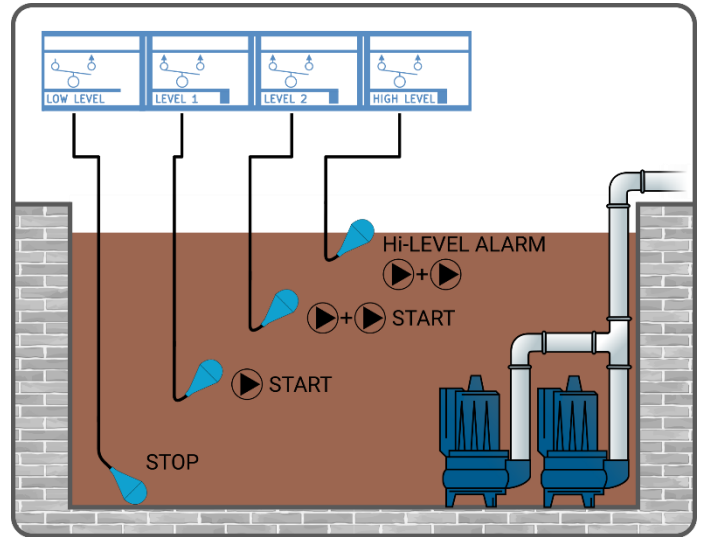
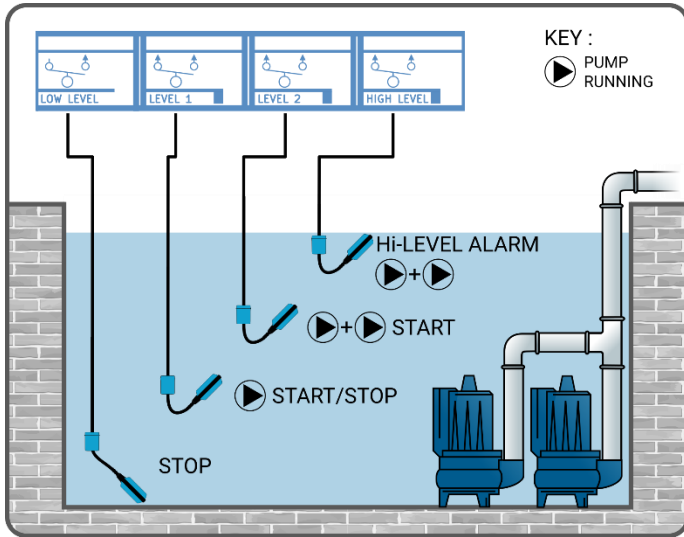
- LRAC-A003 12Vdc IP65 Flashing Red Beacon
- Works with all Triton Controls float switches i.e., LR03-L10M-CPE
- LR30 GSM upgrade module

Contact

ADDRESS:	Triton Controls Ltd Randolph Industrial Estate Evenwood Bishop Auckland DL14 9SJ UK	TEL:	+44 (0) 1388 833 000
		EMAIL:	info@tritoncontrols.co.uk
		WEBSITE:	www.tritoncontrols.co.uk

Designed & Manufactured in the UK

Typical Installation



LR40 Full Range

	Backup Battery	GSM	Input Voltage
LR40 BASIC [MAINS]			240/400Vac I/III
LR40 BASIC [24]			12-24Vac/dc
LR40 BASIC GSM [MAINS]		■	240/400Vac I/III
LR40 BASIC GSM [24]		■	12-24Vac/dc

	Backup Battery	GSM	Input Voltage
LR40 BATTERY [MAINS]	■		240/400Vac I/III
LR40 BATTERY [24]	■		12-24Vac/dc
LR40 BATTERY GSM [MAINS]	■	■	240/400Vac I/III
LR40 BATTERY GSM [24]	■	■	12-24Vac/dc