

CHARACTERISTICS

- OPERATING MODES: CYCLE AND PULSE
- INTEGRATED LCD, ALL OPERATING VALUES SET BY SIMPLE MENU PARAMETERS
- COMPLETE CONTROL AND PROFILING OF HOW STAND BY AND LUBRICATION OCCURS
- HANDLING INVERSION WITH PNEUMATIC OR ELECTROMAGNETIC ACTUATORS
- THERMAL PROTECTION CONTROL AND ANOMALIES WARNING

CONTROL DEVICE IDEAL FOR SMALL AND MEDIUM-SIZED DUAL LINE LUBRICATION SYSTEMS

EFFICIENT AND FLEXIBLE

VIP5_{plus} is designed to manage Dual Line Systems, powered with 3phase voltage.

The VIP5_{plus} is equipped with all essential functions before present in different types of control devices.

The extensive set of parameters offers unrivalled ease and flexibility for controlling and monitoring your automatic lubrication system.

This innovative controller device embodies many unique features.



VIP5_{plus} IS EQUIPPED WITH ALL ESSENTIAL FUNCTIONS BEFORE PRESENT IN DIFFERENT TYPES OF CONTROL DEVICES

APPLICATIONS

- DUAL LINE SYSTEM: IDEAL WITH SUMO PUMPS
- SIMPLE ON/OFF LUBRICATION SYSTEMS
- SIMPLE FLOW DISPLAY AND MONITORING SYSTEM

MANY NEW FEATURES

- Thermal protection control and anomalies warning
- Maximum level control
- Minimum alarm/general alarm separate warning
- Possibility 4-20 mA control level
- Management of inversion for Dual Line with electromagnetic or electro pneumatic actuators
- Possibility to separate supply of inlet and outlet circuits among circuits of command
- Possibility to separate the inverter voltage from the other board supplies
- Galvanic isolation of inlet and outlet



KEEPING AN EYE ON YOUR SYSTEM:
YOU CHOOSE TO CHECK IT WITH "CYCLE" OR "PULSE" MODE



CYCLE MODE

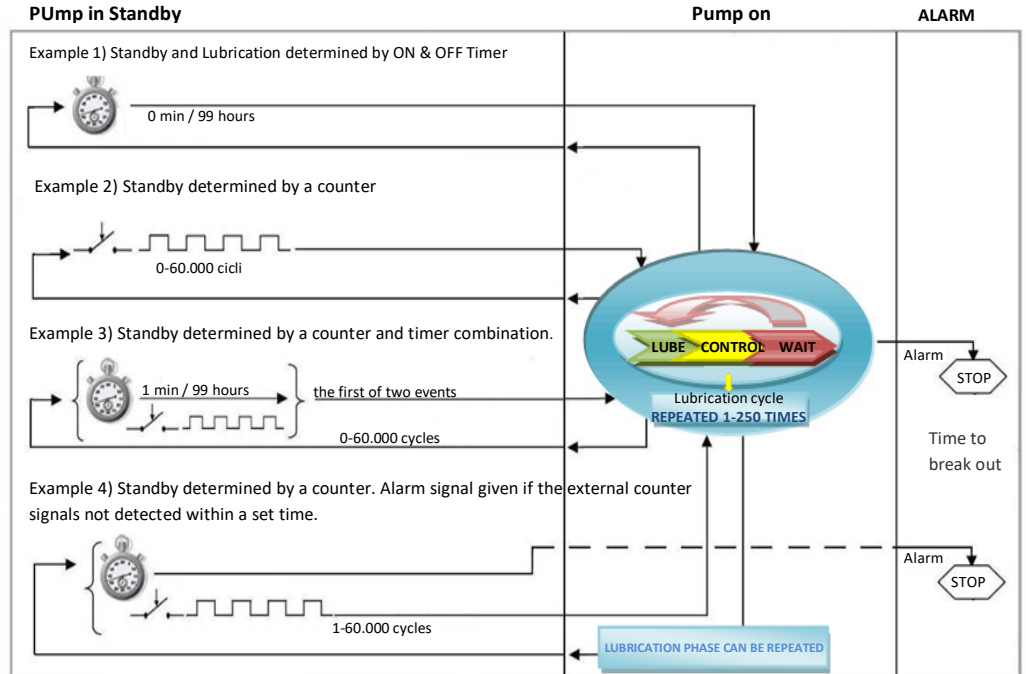
This “conventional” operating mode allows the lubrication system to ran or be on standby.

Cycle can be:

- With a setting time;
- With an external signal;
- With a setting time in combination with an external signal.

When using a combined mode you can decide if the timer should initiate a Lubrication cycle or flag an alarm condition because no signal has been detected within the timeout.

EXAMPLE

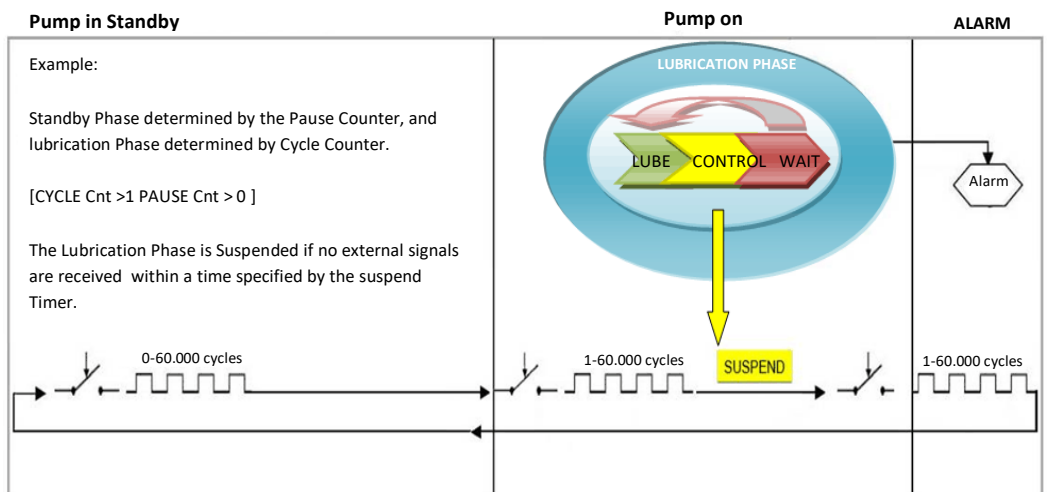


PULSE MODE

This operating mode allows the external signal to drive both the Standby and Lubrication Phase whilst allowing you to connect your cycle or pressure switch to monitor that your system is operating correctly for the entire duration of the Lubrication Phase. A Suspend Timer function allows the system to suspend the lubrication phase if the driving external signal ceases.

This operating mode is ideal for chain or conveyor lubrication where the amount of lubrication is determined by the movement of the conveyor, yet the correct output of lubricant is determined by a cycle or pressure switch connected to the metering devices.

EXAMPLE



MONITORING OPTIONS

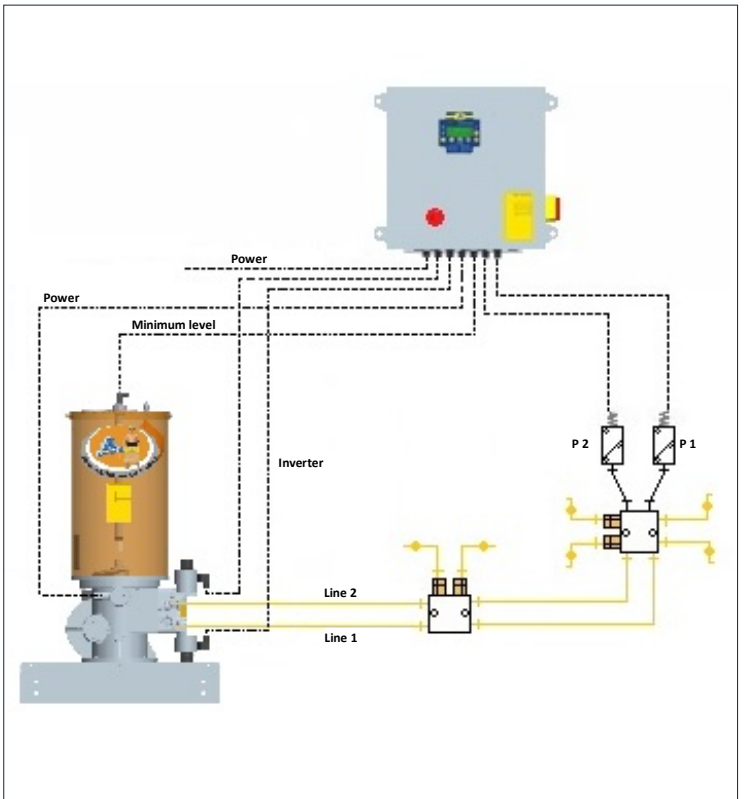
Suitable for industrial three-phase power connection, in addition to control functions already present in Vip5, **VIP5_{plus}** can be configuration to control and monitor more complex systems Dual Line Lubrication, for example, by piloting different types of Dual Line directional valves and monitoring two pressure switches.

The **VIP5_{plus}** starts the pump and must validate pressurization by monitoring the **P1** switch within a pre-determined time. After this, the Lubrication lines are inverted by use of a directional valve.

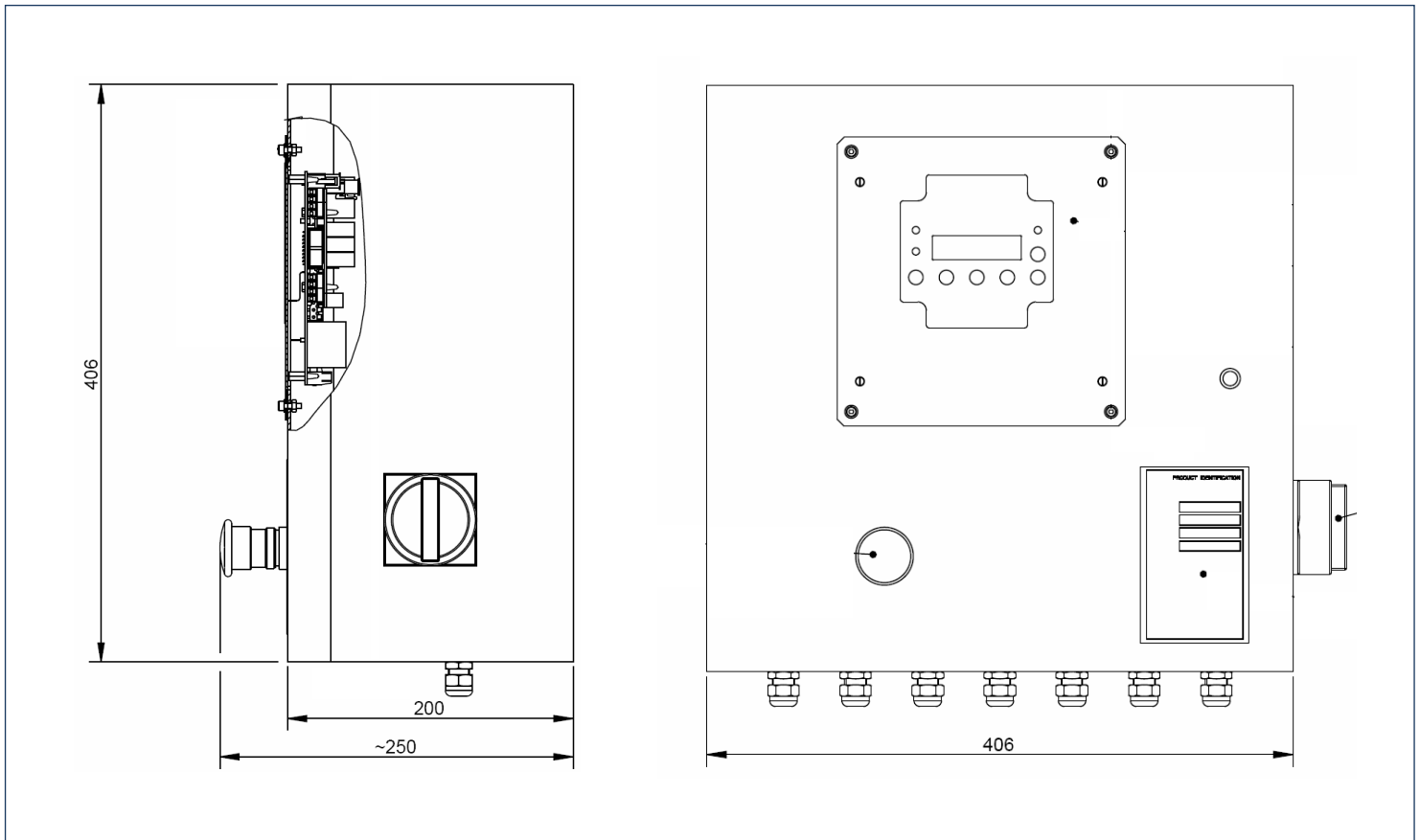
The **P2** switch must also then be made within the timeout timer setting.

A user configurable **DELAY** timer can be set to filter pressure spikes similar to the **PS** operating mode.

EXAMPLE OF APPLICATION WITH SUMO PUMP



OVERALL DIMENSIONS (NOT TO SCALE)



CONTACTS

www.dropsa.com

sales@dropsa.com

ITALIA

Dropsa SpA
t. +39 02-250791
f. +39 02-25079767

U.K.

Dropsa (UK) Ltd
t. +44 (0)1784-431177
f. +44 (0)1784-438598

GERMANY

Dropsa GmbH
t. +49 (0)211-394-011
f. +49 (0)211-394-013

FRANCE

Dropsa Ame
t. +33 (0)1-3993-0033
f. +33 (0)1-3986-2636

CHINA

Dropsa Lubrication Systems
(Shanghai) Co., Ltd
t. +86 (021) 67740275
f. +86 (021) 67740205

U.S.A.

Dropsa Corporation
t. +1 586-566-1540
f. +1 586-566-1541

AUSTRALIA

Dropsa Australia Ltd.
t. +61 (02)-9938-6644
f. +61 (0)2-9938-6611

BRAZIL

Dropsa Remonlub
t. +55 (0)11-563-10007
f. +55 (0)11-563-19408





TECHNICAL SPECIFICATIONS

TECHNICAL CHARACTERISTICS	
Supply Voltage	110V~ - 230V~ - 400V~ - 460V~
Power Consumption	2 W (In Stop) - 10 W (In Start)
Operating Temperature	- 5 °C ÷ + 70 °C
Storage Temperature	- 20°C ÷ + 80 °C
Operating Humidity	90% max
Frequency	50/60 Hz

ORDERING INFORMATION

AVAILABLE VERSIONS		
DESCRIPTION	VERSIONS	CODE
VIP5 "PLUS" (Power supply 110V~ - Inverter 24V~ DC)	A	VIP05 "PLUS" 1639210 (Standard) (Power supply 400V ~ - Inverter 24V DC)
VIP5 "PLUS" (Power supply 230V~ - Inverter 24V~ DC)	B	
VIP5 "PLUS" (Power supply 460V~ - Inverter 24V~ DC)	C	
VIP5 "PLUS" (Power supply 110V~ - Inverter 110V~)	D	
VIP5 "PLUS" (Power supply 230V~ - Inverter 230V~)	E	

VIP5 CHARACTERISTICS COMPARISON

	 VIP5	 VIP5 _{plus}	 VIP5 _{pro}	 VIP5 _{pro} ATEX
SINGLE PHASE SUPPLY	✓	✓	✓	✓
THREE PHASE SUPPLY	✗	✓	✓	✓
EMERGENCY BUTTON	✗	✓	✓	✓
GENERAL SWITCH	✗	✓	✓	✓
SWITCH LOCK-DOOR	✗	✗	✓	✗
SUPPORT ADDITIONAL TERMINAL BOARD	✗	✓	✓	✓
CONTROL AND COMMAND OF DUAL LINE SYSTEM WITH HYDRAULIC INVERTER	✓	✓	✓	✓
CONTACTS POWER OF REVERSE CONTROL (ELECTROMAGNETIC AND ELECTRO-PNEUMATIC INVERTER)	✗	✓	✓	✓
PAINTED STEEL IP55 BOX	✗	✓	✓	✓
MINIMUM LEVEL CONTROL	✓	✓	✓	✓
MAXIMUM LEVEL CONTROL	✗	✓	✓	✓
THERMAL PROTECTION CONTROL	✗	✓	✓	✓
REMOTE ALARM FREE CONTACT	✗	✗	✓	✓
LOCAL/REMOTE SELECTOR (WITH REMOTE START AND RESET)	✗	✗	✓	✓
PUMP-ON REMOTE CONTACT	✗	✗	✓	✓
DELAYED SWITCH OFF OF AIR SOLENOID	✗	✗	✓	✓
POSSIBILITY OF SEPARATE SUPPLY OF INLET AND OUTLET CIRCUITS	✗	✓	✓	✓
POSSIBILITY OF SEPARATE SUPPLY OF INVERTER	✗	✓	✓	✓