

ELECTRIC CONTROL UNIT



In the serial production there are units for two-lines, progressive, single or multilines systems for central lubrication. These electric units perform managing and control of central lubrication system. Management system for lubrication is in manual and automatic mode. Regular mode is automatically, manual mode is selected for setting service action.

Unit has all necessary indication, which is located outside the command board. Over indications may follow the work of individual components of the system (indication allows monitoring of the individual components of the system) and possible errors in the system during work: termination of functioning a pump, pipeline cracking cessation of work distributing valve, dosing distributors etc. Bimetallic switches (in the single-switch) protect the pumps from overload. Management is performed using PLC (with the appropriate program of the system). Functional and control parameters (timeout, operating time of system, operating time of pumps, control times, etc..) can be changed during operation very simply using the functional panel at the cabinet door. All mentioned parameters can be monitored and changed by the operator's cabin. At the customer's request can be monitored any other parameters or operating mode of system.

With the control unit is supplied original software of equipment manufacturer or the application software in electronic form.

Each control unit may have possibility of extending RS232, RS485 or Ethenert ports, depending on the applied equipment.

Networking is easy using: Modbus, Profibus, Facon, TCP/IP ...

There is a galvanic separation of controller's control signals and executive elements.

In the unit itself are installed components of renowned manufacturers such as: SIEMENS, ABB, OMRON, or other on the customer's request.

The main power supply	3x400/220 VAC; 50 Hz	
Controller supply	24 VDC	
Measurement of lubricant level (inductive sensor)	ON-OFF	
Controller's digital inputs and outputs	24 VDC	
Analogue input (grease level, pressure ...)	current 4 - 20 mA	
Work ambient temperature	-5 to +40 °C	
Insulation	IP 54	
Standards and regulatives	SRPS EN ISO	
On customer's request	measurement of lubricant level	ultrasonic
	clamps	resistant to vibrations
	voltage	200 VAC to 660 VAC
	frequency	42 Hz to 60 Hz
	insulation	IP 55
	ambient temperature	-45 do +40 °C



FLUIDOTEHNIC
PRIVREDNO DRUŠTVO ZA PROIZVODNJU, PROMET I USLUGE D.O.O.

SRBIJA
36210 VRNJAČKA BANJA
Ruđinci 175 A
tel/fax: +381 - 36 - 631 - 710
631 - 711
E-mail: office@fluidotehnic.com