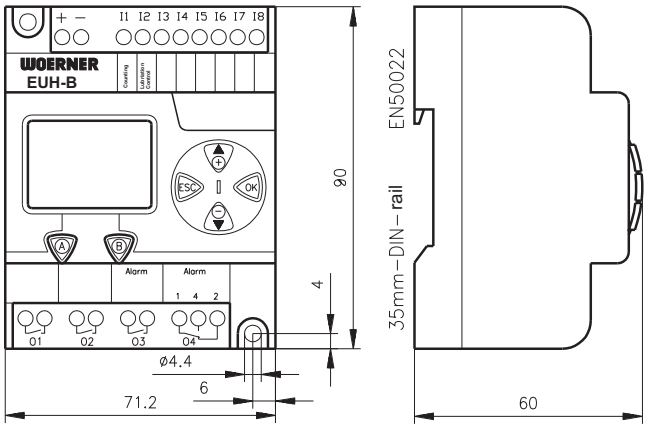
WOERNER
The Experts in Lubrication

Monitoring unit
EUH-B

- **Monitoring time as formed by summing up of machine pulses**
- **Reset via a control element**
- **Maximum preselectable number of pulses 32767**
- **Precise setting by operation**
- **Casing for snapping onto the profile rail**

Application:
The monitoring unit EUH-B can be used for applications where feeding pumps are operated load-dependent (i.e. mechanically coupled with the driving aggregate). The pulses tapped from the driving aggregate are proportionate to the lubricant volume delivered. This delivered lubricant volume is monitored by means of a lubricant checking element.

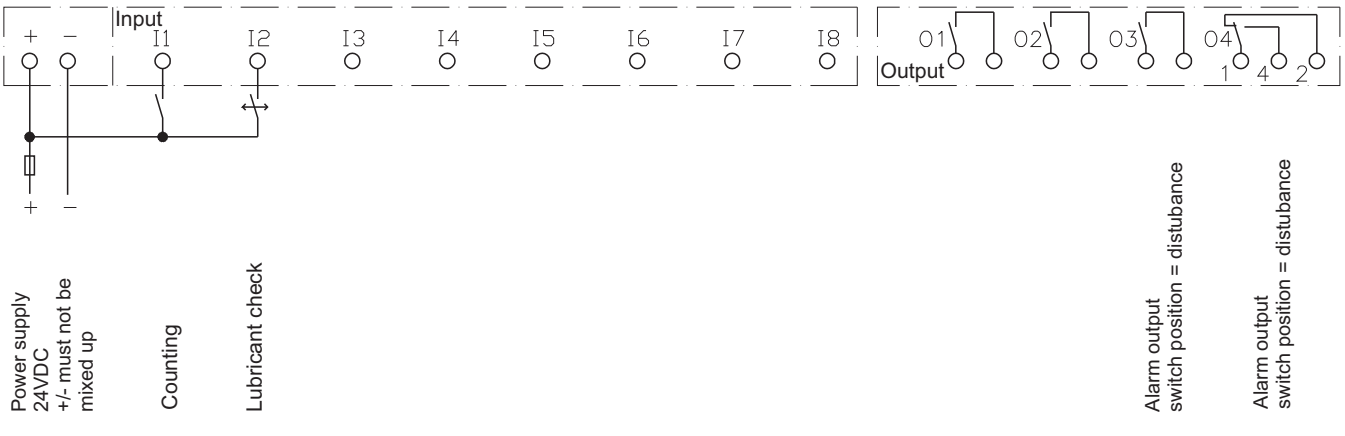
Dimension



Technical Data:

Power consumption:	3,5 W
Supply voltage normal:	24 V DC
	-15% ... +20%
	(Incl.residual ripple)
Power input:	24 V DC
Response time of inputs:	5 msec
Input resistands inputs:	6,8 kR
Temperature range:	0 ... 50°C
Protection typ:	IP 20
Contact data output:	max. 250 V AC
	30 V DC; 5 A
Data protection:	10 years
Approval:	CE;UL;CSA

Connection diagram



- Subject to modifications -

EUGEN WOERNER GmbH & Co. KG
Postfach 1661 DE-97866 Wertheim
Am Eichamt 8 DE-97877 Wertheim
Tel. +49 (0) 9342 803-0 info@woerner.de
Fax.+49 (0) 9342 803-202 www.woerner.de

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Replaces No. 0064.07.02 EN

Starting Conditions
Control Voltage ON:
Upon control voltage switch-on, the monitoring unit is ready for operation. The alarm outputs move into the release mode.

Pulse Input Counting:
Pulse input is locked in at the +/I 1 Terminal. The incoming pulses are summed up via counters. The desired value is adjustable.

Lubricant Checking Element
Reset Input::
The lubricant checking element is to be connected to the +/I 2 terminals . In the unit, the counters are reset with every contact making in the checking element. The I 2 input in the unit is dynamic, i.e. only the transition between the modes "contact broken" and "contact made" are evaluated.

Fault Message:
In normal operation, the preset number of pulses will not be reached. Before reaching such number of pulses, the checking element will reset the counters again and again.If the reset signal is delayed due to faults in the lubrication system, the preset counter setting will be reached.Then, the alarm outputs are moved into fault message mode. Fault messages cannot be cancelled unless control voltage at the unit is discontinued.

Connection proximity switch:
Proximity switches can also be used for impuls input and reset input. They must be designed for 24V DC, tree-wire design and a PNP output. The connection is made at terminals +/-/I 1 bzw. I 2.

Alarm output:
The alarm output serves to evaluate the fault message externally. A changeover contact and a make contact element are available. During faultless operation, the terminal 1/4 changeover contact is made, with the terminal 1/2 contact being broken and the Q3 make contact made. In case of faults, the reverse switching conditions are available.

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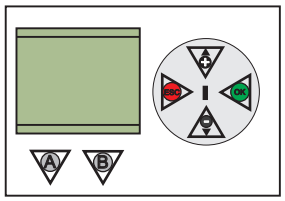
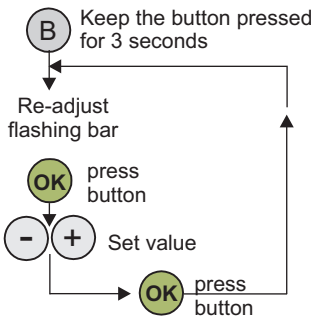
Operation



Desired value adjustment

The desired values can be adjusted as follows:



Setting mode will be finished automatically after 1 minute, when re-adjustment was completed by pressing OK (flashing bar)

ESC Can be used to cancel the operation.

Caution! Do not set any zero or negative value!

Order designation:

Monitoring unit		EUH-B
Voltage		24 VDC
Display:	**DE**	**460.835-60**
Display:	**EN**	**460.835-61**

Indication:

Use power pack in case of 230 VAC operating voltage!!!

Purchase designation:

Power pack **974.101-30**
100-240VAC/24VDC1,2A;CE,UL-CSA,TÜV

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Fax.+49 (0) 9342 803-202 www.woerner.de