



Lincoln's New Product Lineup for the Natural Gas Compression Industry

Innovative solution designed to protect your compressors against untimely lubrication faults or “no flow” conditions.

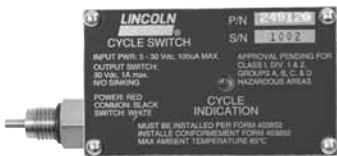
Model 87630 Datalogger Lubrication Monitor

- Three mounting options
- Two primary power sources available
- Continuously monitors the packing and cylinder lubrication system
- Download feature allows history to be transferred to a CSV report via a USB flash drive in less than a minute
- Store data for up to one year
- No special software or hand-held hardware device needed
- One model will monitor either a single or dual lubrication system
- Designed for use with Reed or Hall effect cycle switches

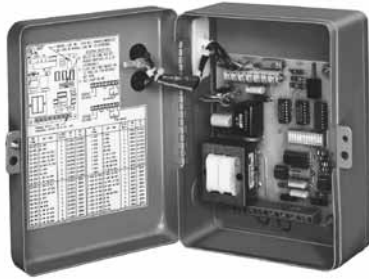
Part No.	87630
Input Power:	10-30 VDC 0.25 Amp Max.
Internal Battery:	3.6 V Long-Life Lithium Tadiran TL-5930, battery life 4-6 years
Output Switches:	2 each open drain sinking FET's, rated 30 VDC 500mA max.
Ambient Temp. Range:	Operation, -40°C to 85°C (-40°F to 185°F) LCD -20°C to 70°C USB Download 0°C to 70°C
Display:	2x16 Backlit Character
Input Cycle Range:	5 to 300 seconds
Units of Measure:	Pints, liters or gallons
Alarm Time:	Adjustable from 5 to 300 seconds
Switch Response Time:	250 mS max.
USB Download Port:	USB 2.0 compliant, accepts universal flash drive
Data Log File Format:	Comma-Separated Values File (CSV) for use in programs including Microsoft® Excel
EX Rating:	Class I, Groups A, B, C & D, Div. 2 CE, II 3G Ex Na IIA
Outlet Thread:	1/2" NPT (F)

Cycle Switch and Accessories for use with Datalogger Lubrication Monitor

Designed to work with Lincoln MC, MC² HP valves as well as with other brands. Simple installation reduces labor costs. Features captured magnet assembly and Hall Effect Switch. The industry's FIRST cycle switch with a cycle indicator light.



Model	Description	Power Req.	Maximum Working Pressure	Temp. Range	Material	EX Rating
249120	Hall Effect Cycle Switch for Lincoln MC ² -HP series blocks	5 to 30 VDC, 100 UA max.	7500 psi	-40°C to 85°C (-40°F to 185°F)	Aluminum Housing, Stainless Steel Magnet Assembly	Approval pending for Class I, Groups A, B, C & D, Div. 1 & 2 CE, II 3G Ex Na IIA
249122	Hall Effect Cycle Switch for Lincoln UV and Graco Lubriquip®-Manzel MHP series style block					
87617	Reed Type Cycle Switch for Lincoln MC and MC ² -HP series block					
250001	Wall Mounting Bracket for 87630					
249125	EX Housing, Rated Class 1, Div 1 and 2, Group B, C, D					
250002	Internal 3.6v Lithium Replacement Battery					
250010	Replacement USB Port Cap					



Model 84501 Program Timer-Solid State

Designed to control the lubrication cycle frequency of air-operated single-stroke pumps. Timer turns pump on/off at programmed intervals via a 3-way or 4-way air solenoid valve (not included) installed in the air line to pump.

Off Time (Cycle Time)		On Time (Pumping Time)		Power Requirement	Approvals	Switch Capacity
Min.	Max.	Min.	Max.			
20 Sec.	24 Hrs.	10 Sec.	1 Min. 24 Sec.	120/230 VAC 50/60 Hz	UL, CSA	120 VAC, 5 Amps 230 VAC, 1.5 Amps



Built-In Program Options		Enclosure			Ambient Operating Temperature Range		
3 Hr. Program Memory	Prelube Function	Rating	Dimensions-in./mm			Minimum	Maximum
			Height	Width	Depth		
Yes / No	Yes / No	NEMA #1	8¼ / 210	6¼ / 173	4¼ / 125	0°F / 18°C	130°F / 54°C

Note: Refer to Technical Manual for a full explanation of available program options.

Model 84511 Economy Timer for Single Stroke Pumps

Uses a timing motor, cam and Micro-Switch to turn pump off and on. NEMA 1 enclosure, UL and CSA listed. Switch capacity 10 amps non-inductive.



Off Time (Cycle Time)		On Time (Pumping Time)		Power Requirement	Approvals	Switch Capacity
Min.	Max.	Min.	Max.			
5 Min.	1 Hr.	30 Sec.	90 Sec.	120 VAC, 60Hz	UL, CSA	10 Amps

Enclosure			
Rating	Dimensions - in. / mm		
	Height	Width	Depth
NEMA 1	5 / 127	3¼ / 82.5	3½ / 89

Note: Off-time selectable in 5 minute intervals.

Model 84015 Timer-12-24V DC

Solid-state microprocessor-based controller for automated lubrication systems on mobile equipment or where AC power is not available. Rugged construction with liquid- and dust-tight enclosure. Includes manual push-button for remote initiation of a lube cycle.



Off Time** (Cycle Time)		Fixed On Time (Pumping Time)	Power Requirement	Switch Capacity
Min.	Max.			
2.5 Min.	80 Min.	75 Sec.	10-30 VDC 25 MA*	5 Amps

* Less load.

** Available selections are 2.5, 5, 10, 20, 40 or 80 minutes.

Enclosure				Ambient Operating Temperature Range	
Rating	Dimensions-in. / mm			Minimum	Maximum
	Height	Width	Depth		
NEMA 12	5¼ / 133	3¾ / 79	3 / 76	0°F / -18°C	131°F / 55°C

Model 85530 Lubrication System Controller

Controls lubrication frequency, master divider valve cycle and monitors supply line pressure. The LCD displays operating status.



Lube Cycle				Max Count Rate*	Pumping Time Before Alarm	
Timer Mode Off Time		Counter Mode Off Counts			Minimum	Maximum
Min.	Max.	Min.	Max.			
1 Minute	99,000 Counts	1 Count	9,900 Minutes	30/Sec. @ 50% Duty Cycle	1 Minute	99 Minutes

* Minimum duration of count signal is 33 milliseconds.

Power Requirements (less load)		Pump, Solenoid, or Alarm Capacity	Ambient Temperature Range	Enclosure			
Voltage	Current			Rating	Dimensions-in. / mm		
		Height	Width		Depth		
120 VAC, 50/60 Hz	85 MA	360 VA	32° to 122°F -0° to +50° C	NEMA 12	9 ½ 241	8 15/16 227	4 1/8 105
230 VAC, 50/60 HZ	45 MA						
24 VDC	250 MA	5 Amps					

Note: Model 85530 is CSA/NRTL approved.

Model 247333 Pressure Transducer

Pressure Transducer signals actual system pressure. Comes with 72 inch (1.8 m) shielded 24-gauge connecting wire. Maximum length of wire between transducer and monitor is 30 ft. (9.1 m).



Range	Accuracy	Proof	Pressure Connection	Ambient Temp.	Input	Voltage Output	Offset	Enclosure
0 to 4000 psi 276 bar	±1%	7500 psig 517 bar	¼" NPT Male Thread	-20° to 180° F -29° to 82° C	10 to 30 VDC	1-6 VDC	1 VDC	NEMA 4X Rating 300 Series Stainless Steel

Electric Solenoid-Operated Air Valves



Model	Type	Electrical Characteristics			Air Inlet/Outlet	Ambient Temperature Range	Cv Factor	Max. Pressure psi/bar	Conduit Connection
		Power Requirements	Inrush Current Amps	Holding Current Amps					
350244	4-Way	110 VAC, 50 Hz 120 VAC, 60 Hz 8.4 VA	.11	.07	¼" NPT(F)	0° to 120°F -18° to 49°C	1.2	150 / 10.3	½" NPS(F)
350245		220 VAC, 50 Hz 240 VAC, 60 Hz 8.4 VA	.055	.035					
350241	3-Way	110 VAC, 50 Hz 120 VAC, 60 Hz 8.4 VA	.11	.07	¼" NPT(F)	0° to 140°F -18° to 60°C	.18	150 / 10.3	N/A
350242		220 VAC, 50 Hz 240 VAC, 60 Hz 8.4 VA	.055	.035					
350282		12 VDC 6 Watts	N/A	N/A					
350283		24 VDC 6 Watts	N/A	N/A					
68586	2-Way	120V, 60 Hz 12 VA	.2	.1	¾" NPT(F)		2.4		½" NPT(F)
274398	3-Way	24 VDC 8.5 Watts	N/A	N/A	¼" NPT(F)		.5		N/A
244727		110 VAC, 50 Hz 120 VAC, 60 Hz 11 VA	.12	.09	¾" NPT(F)	0° to 120°F -18° to 49°C	4.4		½" NPT(F)