

SOLID- STATE TIMER

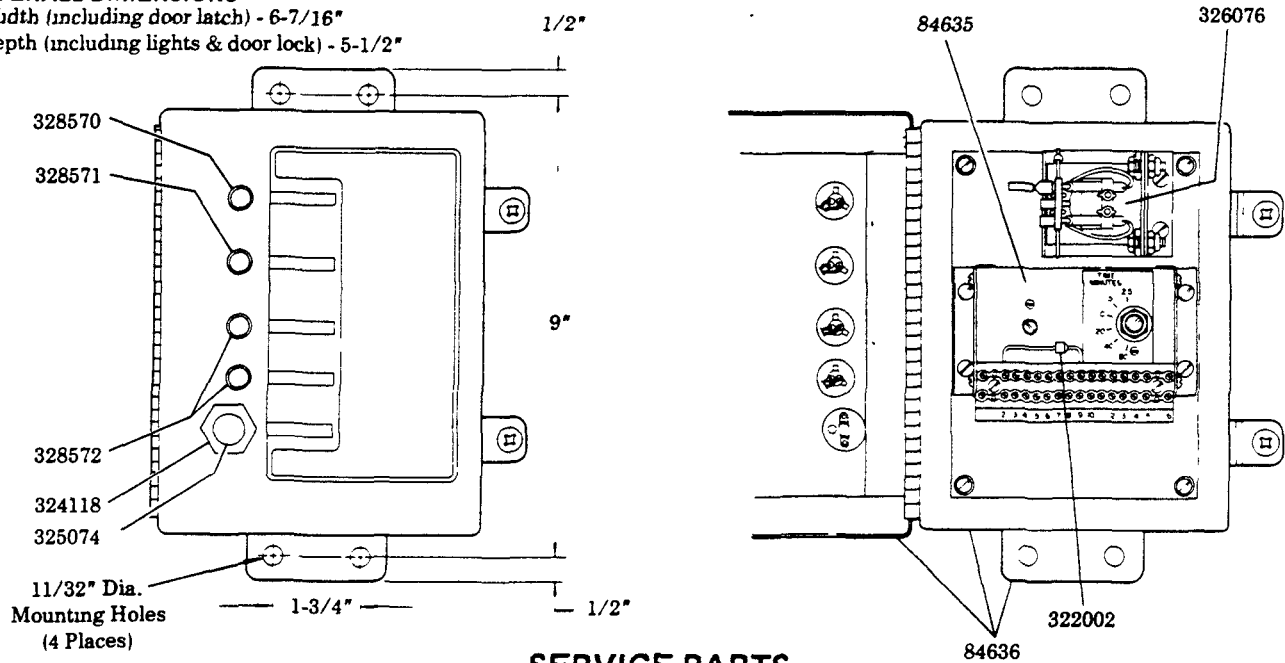
Model 84627

24 VOLT DC
FOR CENTRO-MATIC OR MODULAR LUBE APPLICATION

OVERALL DIMENSIONS

Width (including door latch) - 6-7/16"

Depth (including lights & door lock) - 5-1/2"



SERVICE PARTS

PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
84635	1	Timer assembly	326076	1	Time delay relay
84636	1	Enclosure assembly	328570	1	Green lamp
322002	1	Diode	328571	1	Amber lamp
324118	1	Sealing boot	328572	2	Red lamp
325074	1	Reset switch			

CENTRO-MATIC SYSTEM

(REFER TO DIAGRAMS ON BACK PAGE)

TERMINAL CONNECTIONS

POWER SOURCE - 24 VDC supply, terminal 1 (Bat. +) & terminal 2 (Bat. -).

LOW LEVEL SWITCH - (Optional) - Terminals 3 & 10.

REMOTE MANUAL LUBE SWITCH - (Optional) - N.O. contacts to terminals 3 & 7.

PRESSURE SWITCH - Common to terminal 5, N.O. to terminal 4. Jumper wire **MUST** be connected between terminals 4 & 6.

PUMP SOLENOID - Terminal 9 & (Bat. -). Jumper wire **MUST** be connected between terminals 8 & 9.

ALARM CONTACTS - (S.P.D.T. non-committed contacts). Common to terminal 11, N.O. to terminal 12 & N.C. to terminal 13. Contacts rated 10 amps resistive at 24 VDC.

LIGHTS - L.E.D.

Green light indicates power on. Red light indicates alarm.
Amber light indicates pump on. Red light indicates low level.

RESET SWITCH - Depressing reset switch removes power from timer, causing it to reset.

OPERATION

When the ignition switch is closed, the 84635 Timer begins timing and the green light turns on indicating power "ON". The timer has a selector switch that provides for "OFF" time cycle adjustments of 2.5, 5, 10, 20, 40 & 80 minutes between lube cycles

When the selected time is reached, an internal timer relay turns on energizing the pump solenoid, time delay relay (TDR) and amber lamp.

After the desired system pressure is reached: the pressure switch closes resetting the timer; the TDR, pump solenoid, and amber light are de-energized. When the system vents, the pressure switch opens and the timer begins timing again.

Should system pressure not be reached within the maximum fixed pumping time of 2-1/2 minutes: the TDR will time out, the pump solenoid will be de-energized, the amber L.E.D. turns off, the red light (alarm) turns "ON" and the alarm contacts transfer. The unit will remain in alarm until power is removed from controller either by opening the ignition switch or depressing the reset switch on the door.

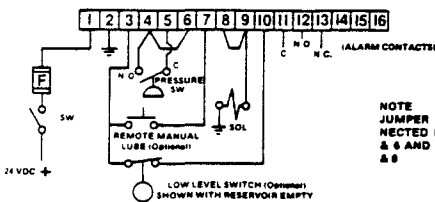
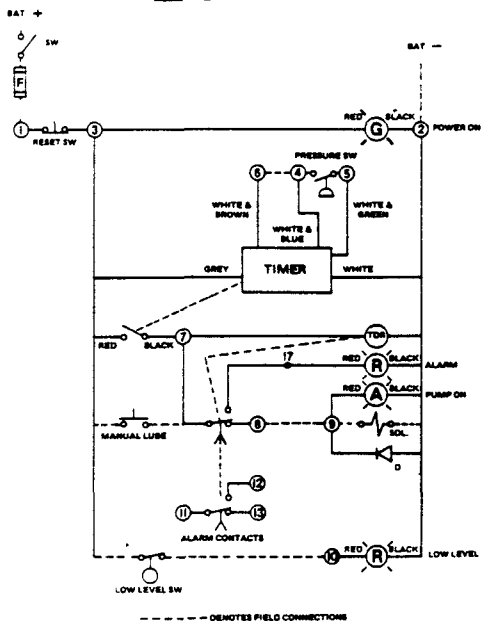
Depressing and holding the optional manual lube button will energize the pump solenoid, provided system is not into alarm

LINCOLN

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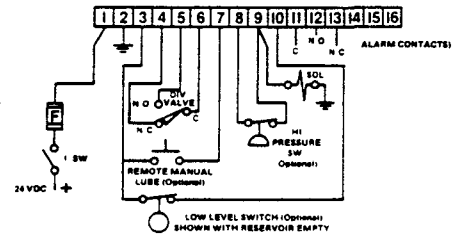
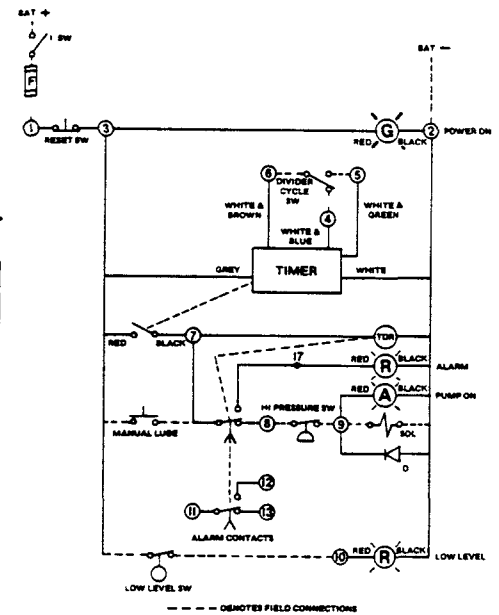
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WIRING DIAGRAM FOR CENTRO-MATIC SYSTEM



NOTE
JUMPER WIRE MUST BE CONNECTED BETWEEN TERMINALS 4 & 6 AND BETWEEN TERMINALS 8 & 9

WIRING DIAGRAM FOR MODULAR LUBE SYSTEM



NOTE
IF HIGH PRESSURE SWITCH IS NOT USED JUMPER WIRE MUST BE CONNECTED BETWEEN TERMINALS 6 & 8.

CODE	PART	DESCRIPTION
G	328676	GREEN L.E.D.
A	328671	AMBER L.E.D.
R	328672	RED L.E.D.
TIMER	84635	24 VDC TIMER
TDR	328678	2 1/2 MIN. TIME DELAY RELAY
RESET	328674	RESET SWITCH N.C.
D	328862	DIODE
I SW		IGNITION SWITCH
F		7.5 AMP FUSE
DIV SW	87670	DIVIDER VALVE SW (MOD LUBE)
HI PRESS SW	48630	PRESSURE SW (CENTRO-MATIC)
PRESS SW	70278	HI PRESSURE SW (MOD LUBE)
MAN SW	125008	MANUAL LUBE SW N.O.
L.L. SW		LOW LEVEL SWITCH
SOL		PUMP SOLENOID

SUPPLIED BY CUSTOMER
* AVAILABLE FROM LINCOLN ST. LOUIS
MUST BE ORDERED SEPARATELY

MODULAR LUBE SYSTEM

TERMINAL CONNECTIONS

POWER SOURCE - 24 VDC supply, terminal 1 (Bat. +) & terminal 2 (Bat. -).

LOW LEVEL SWITCH - (Optional) -Terminals 3 & 10.

REMOTE MANUAL LUBE SWITCH - (Optional) -N.O. contacts to terminals 3 & 7.

DIVIDER VALVE SWITCH - Common to terminal 6, N.C. to terminal 4, N.O. to terminal 5.

HI PRESSURE SWITCH - Common to terminal 8, N.C. to terminal 9. If Hi Pressure Switch is not used, a jumper wire **MUST** be connected between terminals 8 & 9.

ALARM CONTACTS - (S.P.D.T. non-committed contacts). Common to terminal 11, N.O. to terminal 12 & N.C. to terminal 13. Contacts rated 10 amps resistive at 24 VDC.

PUMP SOLENOID - Terminal 9 & (Bat. -).

LIGHTS - L.E.D.

Green light indicates power on.

Red light indicates alarm.

Amber light indicates pump on.

Red light indicates low level.

RESET SWITCH - Depressing reset switch removes power from timer, causing it to reset.

OPERATION

When the ignition switch is closed, the 84635 Timer begins timing and the green light turns on indicating power "ON". The timer has a selector switch that provides for "OFF" time cycle adjustments of 2.5, 5, 10, 20, 40 & 80 minutes between lube cycles.

When the selected time is reached, an internal timer relay turns on energizing the pump solenoid, time delay relay (TDR) and amber lamp.

When the cycle switch has actuated (closes then opens): the timer is reset causing the TDR, pump solenoid, and amber light to de-energize. The timer then begins timing for the next lube cycle.

If the cycle switch does not actuate within the maximum fixed pumping time of 2-1/2 minutes: the TDR will time out, the pump solenoid will be de-energized, the amber L.E.D. turns off, the red light (alarm) turns "ON" and the alarm contacts transfer. The unit will remain in alarm until power is removed from controller either by opening the ignition switch or depressing the reset switch on the door.

Depressing and holding the optional manual lube button will energize the pump solenoid, provided the system is not into alarm.

In the event that the Hi Pressure Switch opens, the pump solenoid and amber light will be de-energized. If the cycle switch is not actuated the system will go into alarm.

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.

LINCOLN provides a Distributor Network that stocks equipment and replacement parts.

A list of Authorized Service Departments will be furnished upon request.