

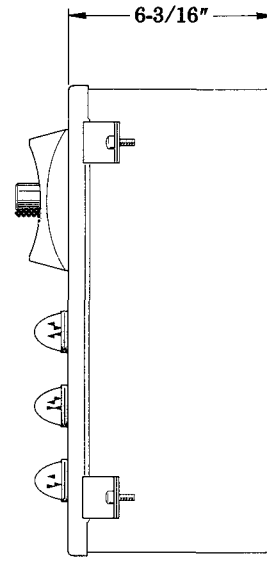
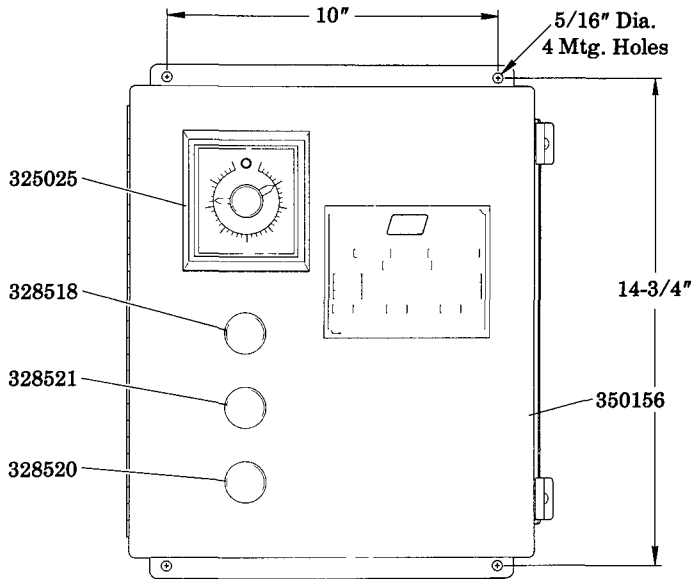
CPM-100 CONTROL PANEL

120 VOLTS, 60 Hz.
1 HOUR TIMER

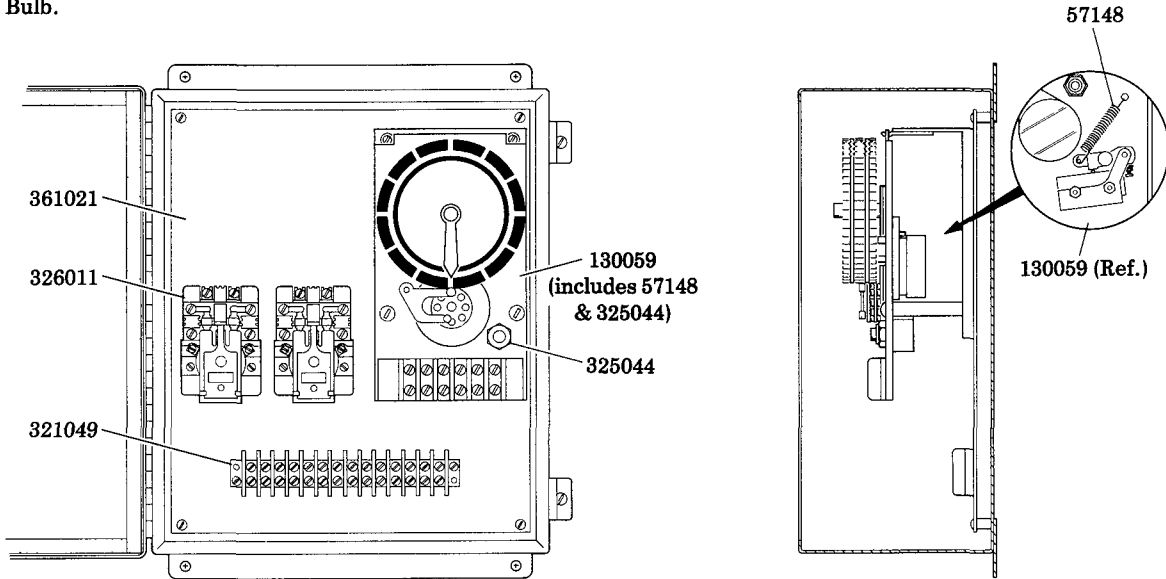


Model 130299

Series "A"



NOTE:
Indicator lamps use
6S6-135V Bulb.



SERVICE PARTS

PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
57148	1	Spring	328518	1	Green lamp
130059	1	Sequence timer	328520	1	Red lamp
321049	1	Terminal strip	328521	1	White lamp
325025	1	Counter	350156	1	Enclosure
325044	1	Pushbutton	361021	1	Mounting panel
326011	2	Relay			

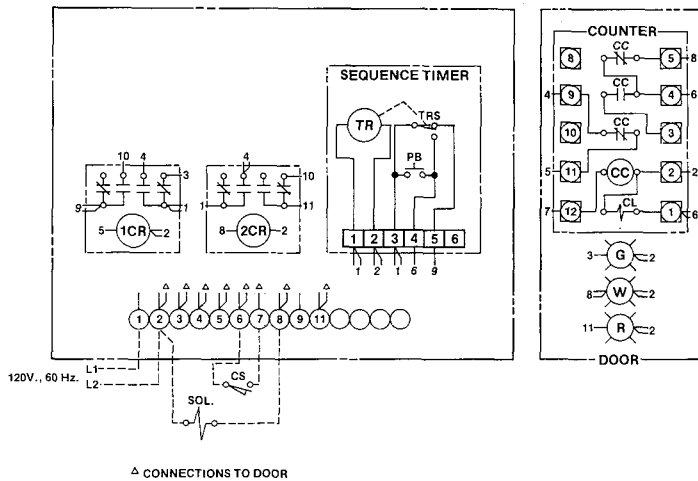
LINCOLN ST. LOUIS
4010 GOODFELLOW BLVD • ST LOUIS, MO 63120 • (314) 383 5900



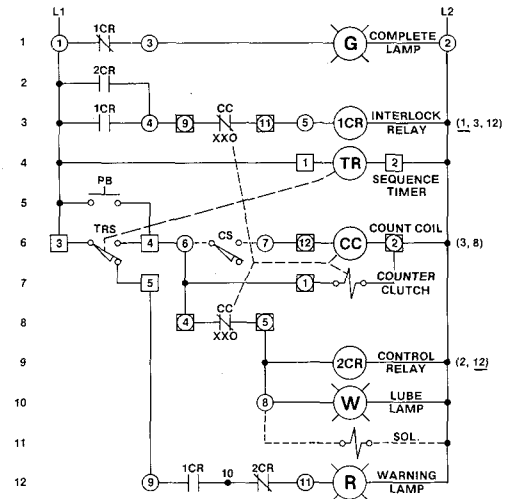
A DIVISION OF
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POSITION DIAGRAM



ELEMENTARY DIAGRAM 120 Volt - 60 Hz.



CODE	PART	DESCRIPTION	CODE	PART	DESCRIPTION
G	328518	GREEN LAMP	1CR	326011	INTERLOCK RELAY
W	328521	WHITE LAMP	2CR		CONTROL RELAY
R	328520	RED LAMP	CC	325025	COUNTER COIL
TR	PART OF SEQUENCE TIMER	TIMER MOTOR	CL		COUNTER CLUTCH
TRS		SEQUENCE TIMER SWITCH	CS	*87070	CYCLE SWITCH
PB		MANUAL RUN PUSHBUTTON	SOL.	*	AIR SOLENOID VALVE

*NOT INCLUDED WITH MODEL 130289.
MUST BE ORDERED SEPARATELY.

OPERATION

Sequence timer is energized when machine is turned on (green lamp lights). Timer motor runs constantly. Lube cycle is initiated by trip arms in sequence timer actuating control panel, energizing air solenoid valve (white lamp on, green lamp off). Air is allowed to the pump which delivers lubricant to the divider valve system. When all divider valves have cycled, a signal transmitted from a divider valve cycle switch registers one count on the counter. Counter starts at preset number of cycles required to complete one lube event and

counts down to zero. When the counter reaches zero, air solenoid valve is de-energized shutting off pump (white lamp off, green lamp on) and counter resets for next lube cycle. If the lubrication cycle is not completed within the total time setting of the sequence timer, a red warning lamp in the control panel will be energized. Warning lamp will remain lit until beginning of next lube cycle at which time the system will again attempt to complete a lube cycle.

TO SET LUBRICATION FREQUENCY

A manual run pushbutton on the sequence timer can be used to test or manually operate the system to determine actual cycle time. Depress button until green lamp lights indicating completion of a lubrication cycle. By timing this interval and adding approximately 50% of this time, the total cycle time can be determined. The sequence timer can then be set accordingly.

EXAMPLE:

One lubrication cycle requires 2 minutes. Adding 50% reserve cycle time results in a total cycle time of 3 minutes. On a one hour timer, each trip arm pulled up represents 37-1/2 seconds of "on" time. For a total cycle time of 3 minutes, a set of 5 consecutive trip arms would be pulled up.

For more than one lube cycle per hour, trip arm sets would be pulled up at equally spaced intervals. The sequence timer dial contains 96 trip arms. The minimum "on" time would be 37-1/2 seconds and the maximum would be 59 minutes 22-1/2 seconds.

To extend time between lubrication cycles to more than one hour, an omitting wheel is provided. Each consecutive screw turned up in the omitting wheel (7 max.) will increase time between cycles by one hour. A screw turned up in every other position will initiate a lube cycle every other hour. A 24 hour timer should be used for lubrication cycles at intervals longer than one every eight hours.

