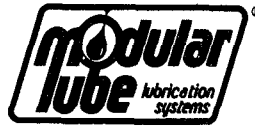


CPS-200 CONTROL PANEL

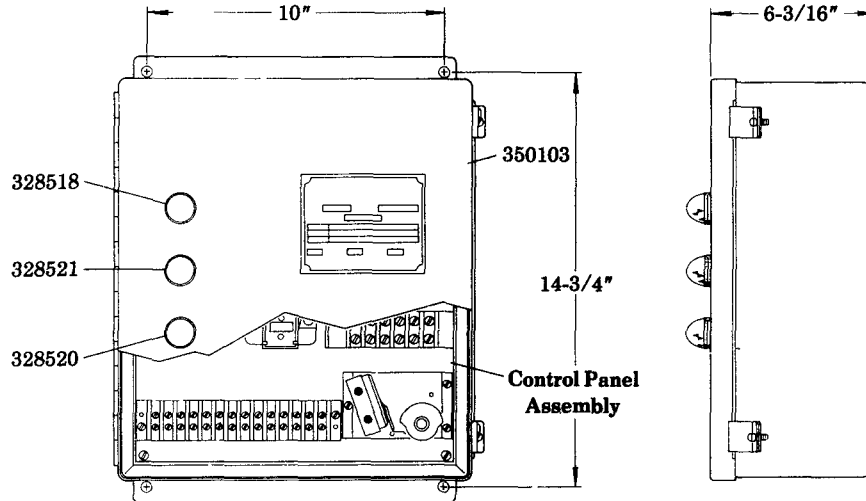


Models 130013, 130026, 130214, 130217

115 VOLTS, 60 Hz.

Series "B"

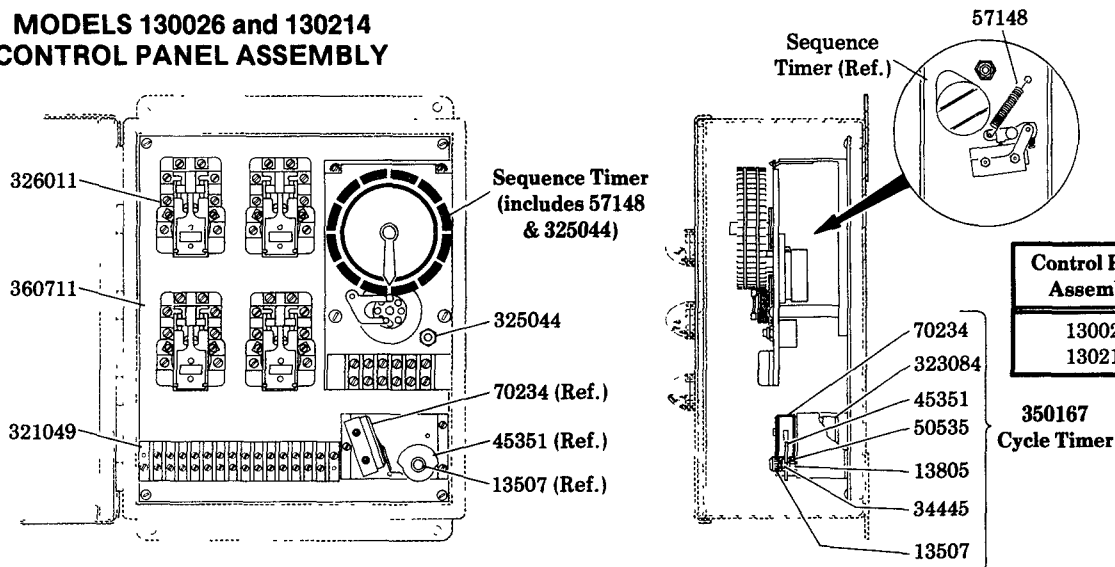
MODELS 130013 and 130217 CONTROL PANEL



Control Panel	Control Panel Assembly
130013	130026
130217	130214

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

MODELS 130026 and 130214 CONTROL PANEL ASSEMBLY



Control Panel Assembly	Sequence Timer
130026	130059 (1 Hour)
130214	130216 (24 Hour)

SERVICE PARTS

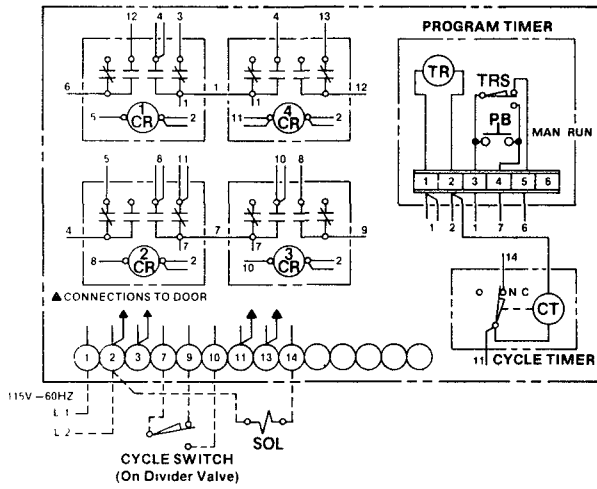
PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
13507	1	Knob	70234	1	Micro switch	328520	1	Red lamp
13805	1	Camshaft	321049	1	Terminal strip	328521	1	White lamp
34445	1	Gasket	323084	1	Timing motor	350103	1	Enclosure
45351	1	Cam	325044	1	Pushbutton	350167	1	Cycle timer assembly
50535	1	Set screw	326011	4	Relay	360711	1	Mounting plate
57148	1	Spring	328518	1	Green lamp			

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



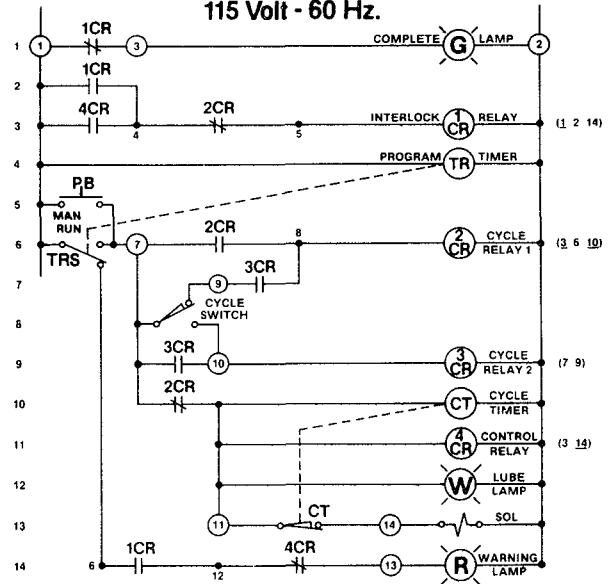
SECTION - **M33**
PAGE - **16**

POSITION DIAGRAM



ELEMENTARY DIAGRAM

115 Volt - 60 Hz.



CODE	PART	DESCRIPTION	CODE	PART	DESCRIPTION
G	328518	GREEN LAMP	TR	PART OF PROGRAM TIMER	TIMER MOTOR
W	328521	WHITE LAMP	TRS		PROGRAM TIMER SWITCH
R	328520	RED LAMP	PB		MANUAL RUN PUSHBUTTON
1CR	326011	INTERLOCK RELAY	CT	350167	CYCLE TIMER
2CR		CYCLE RELAY 1	SOL.	*	AIR SOLENOID VALVE
3CR		CYCLE RELAY 2	CS	*87070	CYCLE SWITCH
4CR		CONTROL RELAY			

*NOT INCLUDED WITH MODELS 130013, 130026, 130214 AND 130217 MUST BE ORDERED SEPARATELY

OPERATION

Sequence timer is energized when machine is turned on (green lamp lights). Timer motor runs constantly. Trip arm of sequence timer contacts sequence timer switch energizing cycle timer. Lube cycle starts when cam lobe contacts cycle timer switch, energizing air solenoid valve (white lamp on, green lamp off). Air is allowed to the pump which delivers lubricant to the divider valve system. Cycle timer operates pump at 10 cycles per minute. When all divider valves have cycled, a signal transmitted from a divider valve cycle

switch to the control panel de-energizes the air solenoid valve and cycle timer shutting off pump. Green lamp lights (white lamp off) indicating completion of a lubrication cycle. If the lubrication cycle is not completed within the total cycle 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 (1 Hour Timer):

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.

Each trip arm pulled up on a 24 hour timer represents 15 minutes of "on" time. Minimum "on" time per lubrication cycle is 15 minutes and the maximum is 23 hours, 45 minutes. To extend time between lubrication cycles to more than 24 hours, an omitting wheel is provided. Each screw turned up in the omitting wheel (6 max.) will omit one day of operation.

