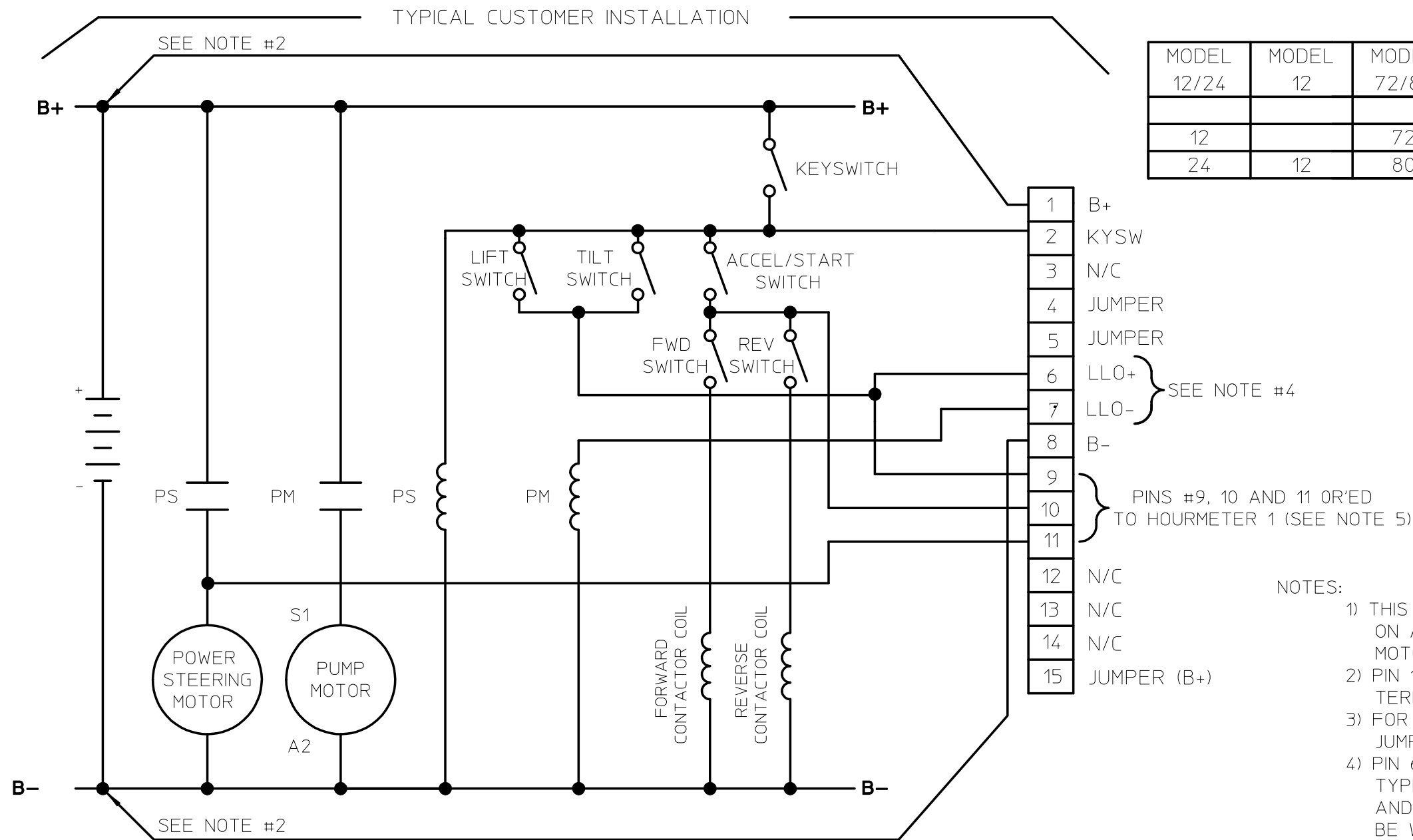


TABLE 1.

MODEL 12/24	MODEL 12	MODEL 72/80	MODEL 24/36/48	OPERATION
			24	CONNECT JUMPER FROM PIN 15 TO PIN 5
12		72	36	CONNECT JUMPER FROM PIN 15 TO PIN 4
24	12	80	48	NO JUMPER REQUIRED



NOTES:

- 1) THIS DIAGRAM IS TO BE USED FOR REFERENCE ONLY DEPENDENT ON AN INDIVIDUAL CUSTOMER'S NEEDS. ITEMS SUCH AS TRACTION MOTOR, CONTACTORS, WIRE NUMBERS, FUSES ETC. ARE NOT SHOWN.
- 2) PIN 1 (B+) AND PIN 8(B-) SHOULD BE CONNECTED TO THE CLOSEST TERMINAL TO THE BATTERY.
- 3) FOR OPTIONAL DUAL OR TRI-VOLTAGE UNIGAGE, SEE TABLE 1, FOR JUMPER CONNECTION.
- 4) PIN 6 (LLO+) AND PIN 7(LLO-) ARE CONTACTS OF A DRY RELAY TYPE CIRCUIT THAT ARE CLOSED WHEN THE UNIGAGE IS OPERATING AND "LIFT LOCKOUT" IS NOT PRESENT. PIN 6(LLO+) SHOULD ALWAYS BE WIRED TO THE MORE POSITIVE TERMINAL.
- 5) B+ VOLTAGE OF ANY COMBINATION, ON PINS 9, 10, AND 11, WILL CAUSE HOURMETER 1, TO ACCUMULATE TIME.

THIS DRAWING CONSTITUTES THE CONFIDENTIAL INFORMATION OF CURTIS INSTRUMENTS INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONFER ANY RIGHT IN OR LICENSE TO USE IT OR THE INFORMATION DISCLOSED HERE IN NOR ANY RIGHT TO REPRODUCE THIS DRAWING OR ANY PART HEREOF WITHOUT THE WRITTEN CONSENT OF CURTIS INSTRUMENTS INC.

REVISIONS				
SYM.	ECN	DESCRIPTION	DATE	APPR
A	4935	RELEASED TO PRODUCTION	1/3/92	MJH
B	5177	ADDED COLUMN TO TABLE 1	7/16/92	MJH
C	5344	ADDED COLUMN 12/24 TO TABLE 1	FJ 12/15/92	RMI

FOR REFERENCE ONLY	
RELATED DRAWINGS	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN SEE NOTE 1.0	
TOLERANCES	
0 PLACE DEC ±	1 PLACE DEC ±
2 PLACE DEC ± .01	3 PLACE DEC ± .005
4 PLACE DEC ±	±

APPROVALS		DATE
MFG.	NML	12/9/91
Q.A.	DH	12/9/91
ENGR.	T.H.	6/27/91
ENGR.		
CHECKED	MJH	6/27/91
DRAWN	BB	4/25/91
DO NOT SCALE : USE DIMENSIONS		
SCALE FULL		

CURTIS INSTRUMENTS INC. Mount Kisco, N.Y. 10549

OPERATION AND INSTALLATION DIAGRAM 933/1

CODE IDENT. NO. 18583

SIZE **B** SHEET 2 OF 2 REV **c**