

CONTROL BOARD NO. 9180B-8  
OR NO. 9180-5M

POWER SUPPLY & I/O BOARD NO. 9180B-8

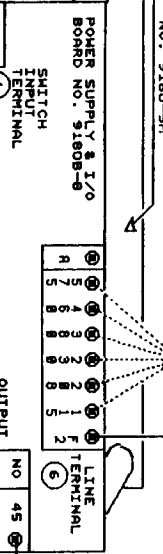
OPTIONAL  
RES-222  
DB-9F  
PRINTER  
PORT

OPTIONAL  
RS-232C  
DB-9F  
PRINTER  
PORT

OPTIONAL  
RES-222  
DB-9F  
PRINTER  
PORT

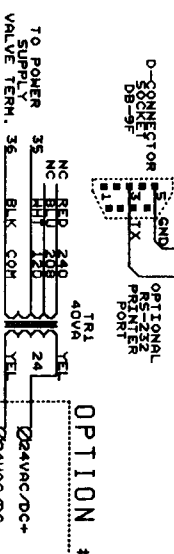
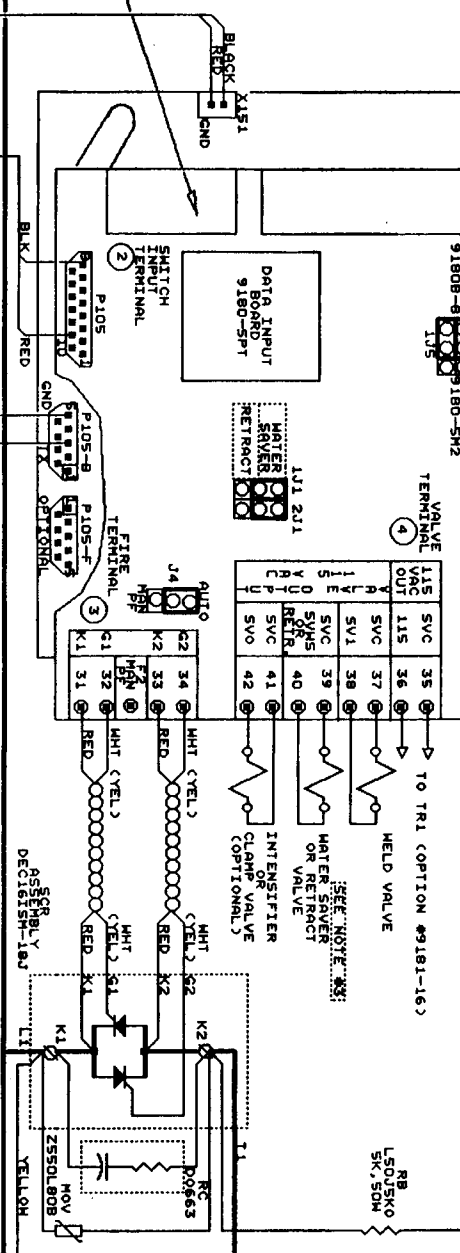
OPTIONAL  
RES-222  
DB-9F  
PRINTER  
PORT

OPTIONAL  
RES-222  
DB-9F  
PRINTER  
PORT



SEE DOC #1463-R8  
SHEET 2

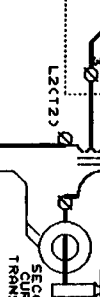
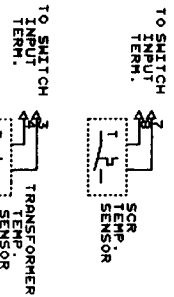
SEE DOC #1463-R8  
SHEET 2



OPTION #9181-16  
PRESSURE CONTROL UNIT

- NOTES:
1. CONNECT TO THE TERMINAL CORRESPONDING TO LINE VOLTAGE.
  2. SET JUMPER J15 2/5 ON POWER SUPPLY BOARD NO. 9180B-8 TO POSITION CORRESPONDING TO THE CONTROL BOARD TYPE.
  3. SET JUMPER J11 1/2 ON POWER SUPPLY BOARD NO. 9180B-8 TO POSITION CORRESPONDING TO OUTPUT CONTROL FUNCTION: "WATER SAVER" OR "RETRACT VALVE". "RETRACT VALVE" IS NOT AVAILABLE WITH CONTROL BOARD NO. 9180-5M.

1-5



APPROVED:

UNITROL ELECTRONICS INC.  
702 LANDMEER RD.  
NORTHBROOK ILL. 60062

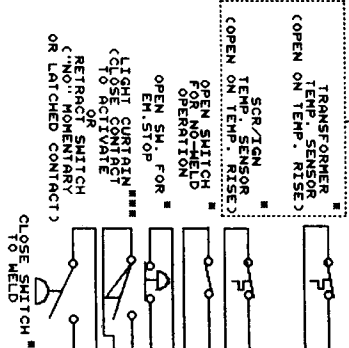
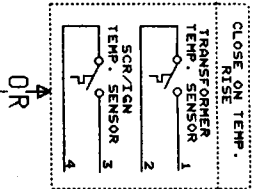
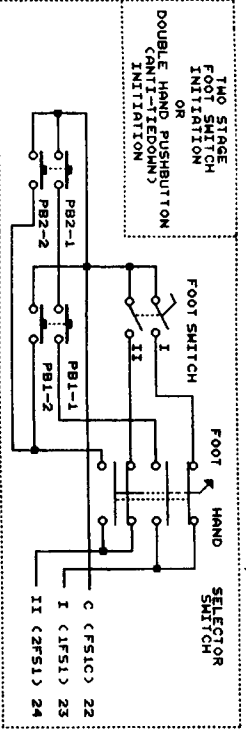
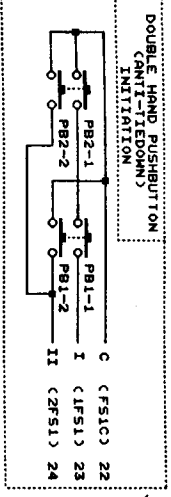
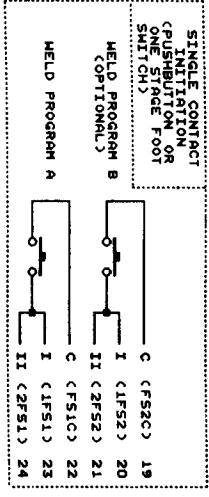
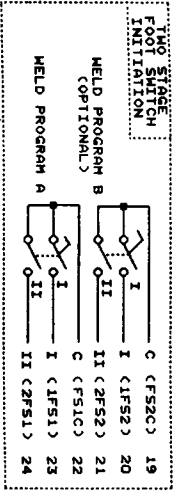
SOLUTION-M  
HOOK-UP DIAGRAM

Size Document Number 1463-56

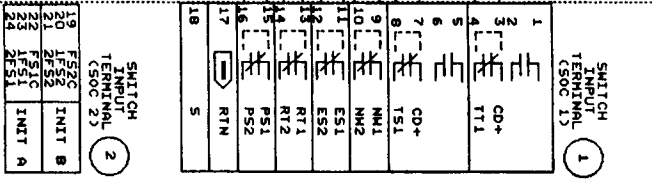
Date: January 24, 2001 Sheet 1 of 2

REV	DATE	DESCRIPTION
2		
1		

# INITIATION METHODS



POWER SUPPLY & I/O BOARD  
NO. 9180B-B



- NOTES:
- IF NOT USED PLACE JUMPER BETWEEN SOURCE AND SINK TERMINALS AS SHOWN ON SOURCE AND SINK
  - SEE DOC. #1799-485 FOR ANTI-TIEDOWN INITIATION USING PHOTOELECTRIC TOUCH SWITCHES OR SINGLE POLE MECHANICAL SWITCHES.
  - TO USE LIGHT CURTAIN OR RETRACT SWITCH SET UP "SOLUTION" CONTROL AS FOLLOWS: GO TO PROGRAM 87/93 AND CHOOSE CORRESPONDING INPUT FUNCTION.

APPROVED:

PAGE 5

UNITROL ELECTRONICS INC  
702 LANDMEHR RD.  
NORTHBROOK, ILL. 60062

Title SOLUTION-M  
INITIATION METHODS, HOOK-UP DIAGRAM

Size Document Number 1463-R6

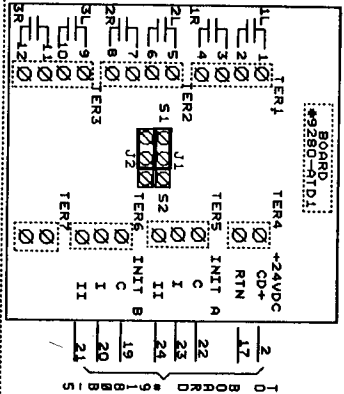
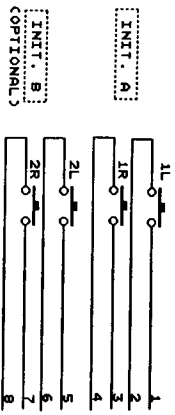
Date: February 11, 2002 5:51

1 of 2

REV 6

# MECHANICAL PUSHBUTTONS

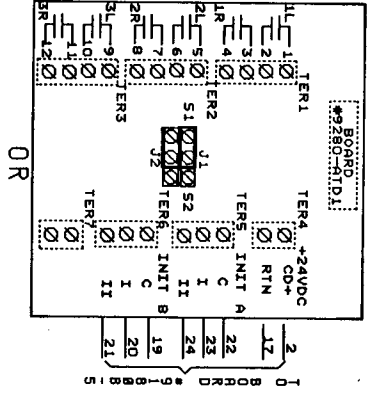
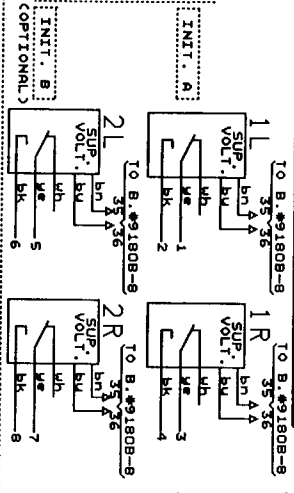
TYPE OF PUSHBUTTONS: 1L, 1R & 2L, 2R: MECHANICAL ACTION, MOMENTARY ACTION, N. O. CONTACT



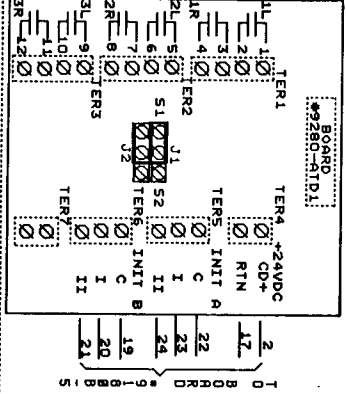
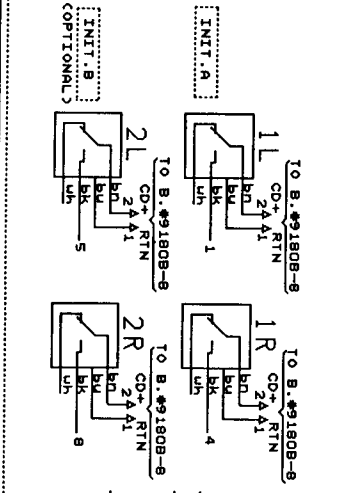
# NON-MECHANICAL TOUCH BUTTONS

**WARNING!**  
 LIKE MOST SOLID-STATE DEVICES NON-MECHANICAL TOUCH BUTTONS ARE AS EQUALLY LIKELY TO FAIL IN THE CONDUCTING ("ON") STATE AS IN THE NON-CONDUCTING ("OFF") STATE. IF NON-MECHANICAL TOUCH BUTTONS ARE USED TO INITIATE YOUR MELDER WHERE A FALSE OPERATION COULD BE DANGEROUS, MELDER OF OPERATION GUARDING DEVICES OR RELATED SAFETY CONTROLS MUST BE INSTALLED AND MAINTAINED TO MEET ALL APPROPRIATE OSHA AND ANSI B11 MACHINE SAFETY STANDARDS.

TYPE OF TOUCH BUTTONS: 1L, 1R & 2L, 2R: "OPTO-TOUCH" PHOTOELECTRIC SWITCHES WITH ELECTROMECHANICAL RELEASING ACTION. ("BANNER" Mod. 0189S OR EQUIVALENT) Supply Voltage: 120VAC.

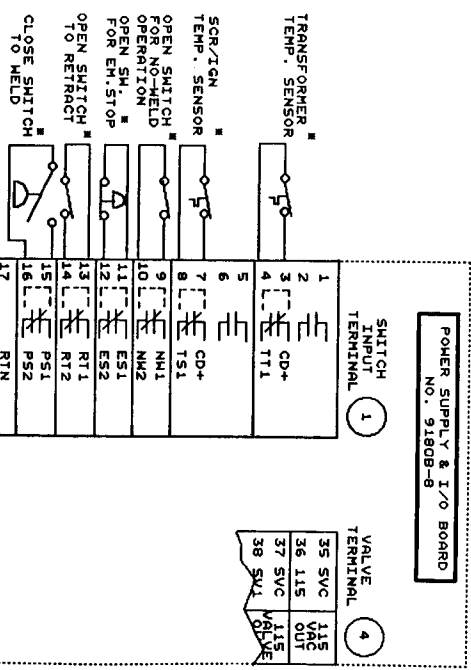


TYPE OF TOUCH BUTTONS: 1L, 1R & 2L, 2R: "OPTO-TOUCH" PHOTOELECTRIC SWITCHES WITH SOLID STATE OUTPUT. MOMENTARY ACTION. ("BANNER" Mod. 0178S OR EQUIVALENT) Supply Voltage: 10-30VDC.



# DOUBLE HAND PUSHBUTTON ANTI-TIEDOWN INITIATION

USING SINGLE POLE SWITCHES  
 (REQUIRE OPTIONAL BOARD #9280-11D1)



SWITCH INPUT TERMINAL	VALVE TERMINAL
1	35 SVC
2	36 VAC
3	37 SVL
4	38 SVL
5	39 SVL

NOTE:  
 IF NOT USED PLACE JUMPER BETWEEN CORRESPONDING TERMINALS AS SHOWN ON THE INPUT TERMINAL LEGEND.

APPROVED: \_\_\_\_\_  
 UNITROL ELECTRONICS INC.  
 702 LANDMEHR RD.  
 NORTHBROOK, IL 60062  
 TITLE: SOLUTION-M ANTI-TIEDOWN INITIATION  
 Size Document Number: 1799-MRS  
 Date: JULY 28, 1993 Sheet 1 of 1