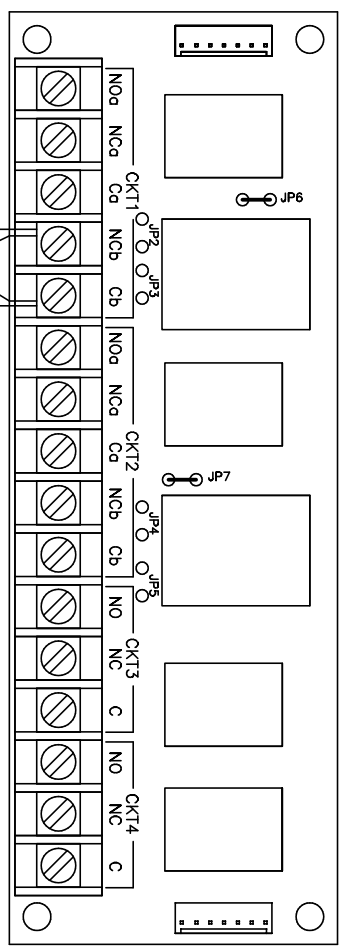


PROGRAM-NTS:D/DX/RDS: Select this clock type for National Time D225,DX225,D400, DX400, RD2WS clocks. The clock correction sequence is as follows:
 Clocks Manufactured prior to 12:00:00 am-> Power Removed for 0.25 seconds (24 Hour Reset)
 9/04 use 'NATSCO DIG' The Reset Relay (not used in this example) will follow the 'NATSCO SRAX' protocol to allow EX Series Synchronous clocks to occupy the same circuit.

Upon Power restoral or by manual reset, the MC-100 will transmit 'actual time' correction pulses which will correct the clocks to the actual time.

MANUAL SLIDE SWITCH: OFF: Will remove power to the clocks.
 AUTO: Will power the clocks and enable the automatic resets.
 ON/RESET: Will manually activate the selected Manual Reset below. (These are programmed using the RST Setup Menu.)

MANUAL RESET OPTIONS: Which type of reset the Manual Slide Switch will activate is programmed in the SETUP RST Menu.
 MIN: No effect.
 HOUR: 25 second pulse on RESET relay (No effect as shown)
 12HOUR: 25 minute pulse on the RESET relay (No effect as shown)
 ACTUAL TIME: Will transmit the 'actual time' correction pulses and reset all of the clocks to the current time.

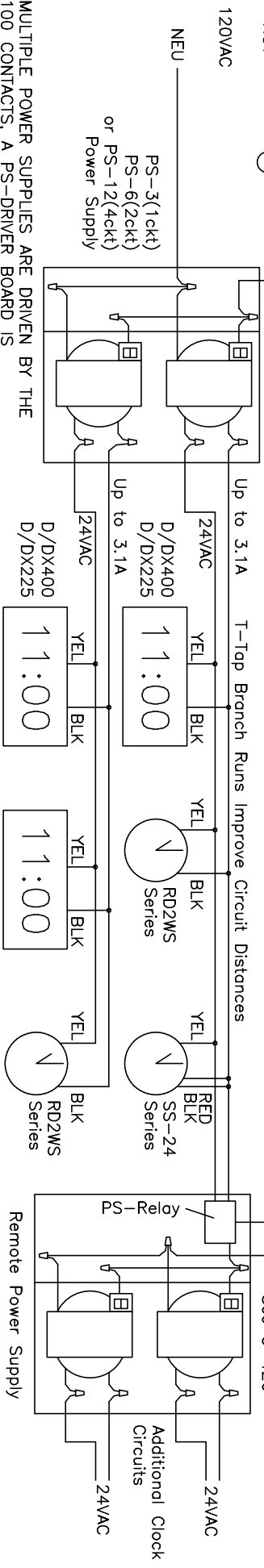


JUMPER SETTINGS	
D2/D4	AUXILIARY
CLOCK CKT	CIRCUIT
Circuit 1	JP2: CUT
	JP3: CUT
	JP6: INTACT
	JP6: INTACT
Circuit 2	JP4: CUT
	JP5: CUT
	JP7: INTACT
	JP7: INTACT

PROGRAM SETTINGS:(as shown)

- CKT 01: NTS:D/DX/RDS
- CKT 02: AUXILIARY
- CKT 03: AUXILIARY
- CKT 04: AUXILIARY

FUSE AUXILIARY CIRCUITS (8A)
 USE MOVs ACROSS AUXILIARY CONTACTS:
 200V (#10K201) FOR LOW VOLTAGE,
 47V (#10K470) FOR LOW VOLTAGE.



IF MULTIPLE POWER SUPPLIES ARE DRIVEN BY THE MC100 CONTACTS, A PS-DRIVER BOARD IS RECOMMENDED (SEE C-334,C-439)

REVISIONS		DATE	MATERIAL	NATIONAL TIME & SIGNAL CORPORATION	
A	Created from 10092 NatSCO DIG	8/31/04	SCALE	NAME	MC-100 with PS-3/6/12 and D/DX/RD2WS/SS Clocks
B	Added PS-DRIVER note; Updated PS-RELAY part #	01/17/05	USED DN	DATE	08-31-04
C	Added Spectrum SS-24V	01/17/05	PS-3, PS-6, or PS-12 with	DATE	08-31-04
D			D225, DX225, D400, DX400, RD2WS,SS-24	DATE	08-31-04
E			LIMITS NOT OTHERWISE NOTED FRACTIONS ± 0.010 , DECIMALS ± 0.005	DATE	08-31-04
				DRAWN BY	MPB
				DRAWING NO.	10097