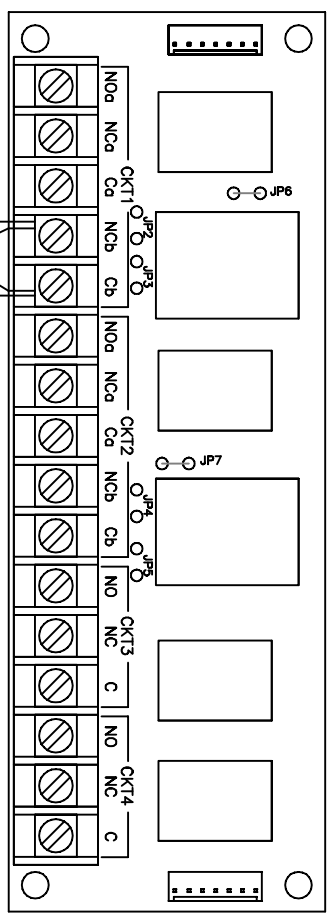


PROGRAM-NTS:D/DX/RDS: Select this clock type for National Time D225,DX225,D400, DX400, RD2WS, SS clocks. The clock correction sequence is as follows:
 (clocks prior to 9/04 use 'NATSCO DIG') 12:00:00 am-> Power Removed for 0.25 seconds (24 Hour Reset)
 The 'RESET' relay will follow the 'NATSCO SRAX' sequence to allow EX-HH Series 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.)

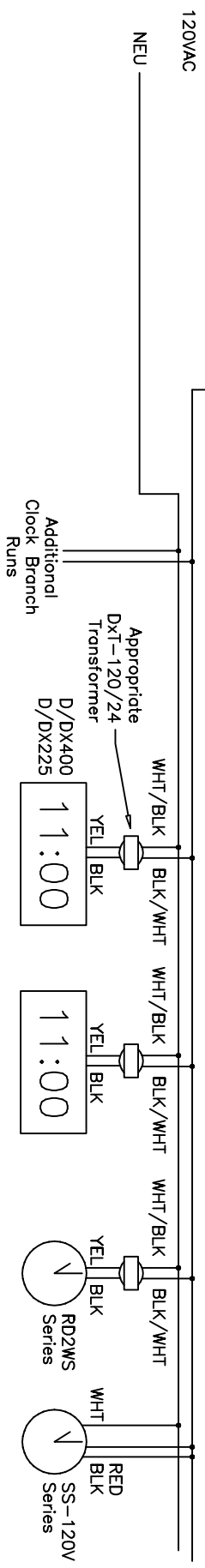
MANUAL RESET OPTIONS: Which type of reset the Manual Slide Switch will activate is programmed in the SETUP RST Menu.
 MIN: No effect.
 HOUR: 25 second pulse of the 'RESET' relay. (no effect on RD2WS clocks)
 12HOUR: 25 minute pulse of the 'RESET' relay. (no effect on RD2WS clocks)
 ACTUAL TIME: Will transmit the 'actual time' correction pulses and reset all of the clocks to the current time.



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

Circuit 2 may also be used. Duplicate wiring terminations and circuit settings of circuit 1

PROGRAM SETTINGS:(as shown)
 CKT 01: NTS:D/DX/RDS
 CKT 02: AUXILIARY
 CKT 03: AUXILIARY
 CKT 04: AUXILIARY
 200V MOV
 FUSE AUXILIARY CIRCUITS (8A).
 USE MOVs ACROSS AUXILIARY CONTACTS:
 200V (#10K201) FOR LINE VOLTAGE,
 47V (#10K470) FOR LOW VOLTAGE.



REVISIONS		DATE	MATERIAL	NATIONAL TIME & SIGNAL CORPORATION	
A	Created to replace 10093	08-31-04	SCALE	NAME	MC-100 with 120VAC D/DX/RD2WS/SS Clocks
B	Added Spectrum SS-120V	07-21-25	USED DN	MC-100 Master Clock 2-Wire	
C			120VAC	D225, DX225, D400, DX400, RD2WS	
D			with DXT-120/24	Transformers, SS-120V	
E			LIMITS NOT OTHERWISE NOTED FRACTIONS ± 0.010 ; DECIMALS ± 0.005		
				DATE	08-31-04
				PART NO.	10098
				DRAWN BY	MpB
				DRAWING NO.	10098