



CC1 TO CC4 – CONTACT CLOSURE OUTPUT INDICATORS:
 GREEN INDICATES THE RESPECTIVE NORMALLY OPEN CONNECTIONS ARE CLOSED AND THE NORMALLY CLOSED CONNECTIONS ARE OPEN. OFF INDICATES THE RESPECTIVE CONNECTIONS ARE IN THE DEFAULT STATE(NORMALLY OPEN IS OPEN, NORMALLY CLOSED IS CLOSED)

CC5 TO CC8 – CONTACT CLOSURE INPUT INDICATORS:
 GREEN INDICATES THAT THE CONTACT INPUT CONNECTION IS CLOSED.

OLI/DC PWR– OPTICAL LEVEL /DC POWER INDICATOR:
 GREEN INDICATES THE OPTICAL INPUT POWER IS WITHIN THE PROPER RANGE AND THAT DC POWER IS PRESENT.
 RED INDICATES THE OPTICAL POWER IS NOT WITHIN THE PROPER RANGE BUT DC POWER IS PRESENT.

RESET PUSH BUTTON:
 PUSHING THIS BUTTON RESETS THE FOUR CONTACT OUTPUTS OF THE MRX-81B TO THEIR DEFAULT STATES AND SENDS A SIGNAL TO MTX-81B OR RTX-81B TO RESET ALL ITS OUTPUTS TO THEIR DEFAULT STATES.

LATCHING SELECT SWITCH:

WHEN SWITCH #1 IS SET TO THE UP(OFF), ALL CONTACT OUTPUT STATES REMAIN UNCHANGED DURING A LOSS OF OPTICAL CONNECTION OR DC POWER TO THE MRX-81B. CONTACT OUTPUTS WILL REMAIN UNCHANGED UNTIL DC POWER IS RESTORED TO THE MRX-81B AND A VALID DATA STREAM IS RECEIVED FROM THE MTX-81B OR RTX-81B OR THE RESET BUTTON IS DEPRESSED. WHEN SWITCH #1 IS SET TO THE DOWN(ON) POSITION, ALL CONTACT OUTPUT STATES WILL REVERT TO THEIR DEFAULT STATES DURING A LOSS OF OPTICAL CONNECTION OR DC POWER TO THE MRX-81B.

CONTACT CLOSURE INPUT AND OUTPUT CONNECTIONS:

CONTACT OUT CH1 TO CH 4:
 THESE PROVIDE 4 SETS OF BOTH NORMALLY OPEN AND NORMALLY CLOSED CONTACT CONNECTIONS.
 CONTACT IN CH5 TO CH 8:
 THESE PROVIDE 4 CONTACT CLOSURE INPUT CONNECTIONS.
 CLOSING THE RESPECTIVE CONTACT CLOSURE INPUT CONNECTIONS CAUSES THE RESPECTIVE RELAYS IN THE MTX/RTX-81B TO SWITCH FROM THE DEFAULT STATE TO (NORMALLY OPEN CONNECTIONS ARE CLOSED) AND (NORMALLY CLOSED CONNECTIONS ARE OPEN).

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| 120 BELMONT DRIVE SOMERSET N.J. | DATE: 15 OCT 2009 | | MRX-81B | | | |
| | ACAD FN.: MRX-81B CC | | CUSTOMER ASSEMBLY DRAWING | | | |
| | SCALE: NONE | DWG BY: CLQ | DWG. NO.: | SH. OF | REV.: | CHK.: SK |