LOU-GED-DS200PCTM-A

DS200
PCTM Verify all PLD chips

Connect power to 2PL

P1	24 VDC	2PL-1
P3	COM	2PL-3
P4	P5 VDC	2PL-4 OR 5
P7	P15	2PL-7
P8	N15	2PL-8

Ref Power Com

with a separate power supply set at zero volts monitor Pin 2 on U3 and one at a time touch lead from power supply to CTTB 1, 2, 3, +4
PIN 2 on U3 should stay at 5 VDC
Set power supply to about 7 VDC and repeat pin 2 on U3 should go low

Repeat process for Pin 2 on U4 and U6

U4	CTTB - 6, 7, 8 + 9
U6	CTTB - 11, 12, 13, 14

Return power Supply for above test to zero Volts

check that all 3 PLD chips U3 U4 & U6 Have 5 VDC on the following pins

Pin 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 23

Pin 1 on U3, U4 & U6 should have about 2.5 VDC Indicating crystal is working

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use 2 mini grabbers attached to Com for next test.

Place one mini grabber on pin 6 of U3 with the other touch and then remove from Pin 2 on U3 LED CTBA will Latch on remove connection from pin 6 LED will go out

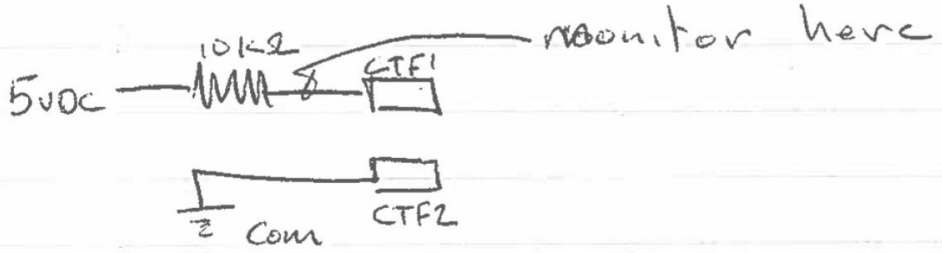
Repeat for U4 & U6 LED's CTBB & CTBC respectfully,

Alternate for above Apply a low to 2PLG touch pin 2 on U3 U4 & U6 with a low all ~~lights~~ LED's CTBA-CTB will ~~light~~ ON push reset button and they Latch will go out

in 2 on U3 U4 with CACW to latch

apply Com to CTTB-18 (RSCM)
touch CTTB-17 with 5 VDC all
leds will go out
Restart leds then with Com at
CTTB-18 Touch 24 VDC to CTTB-~~12~~16
LEDs will Go out

Hook up a connection like this



Turn LEDs back on, Voltage at CTF1 should be 5 VDC push reset Voltage will go low

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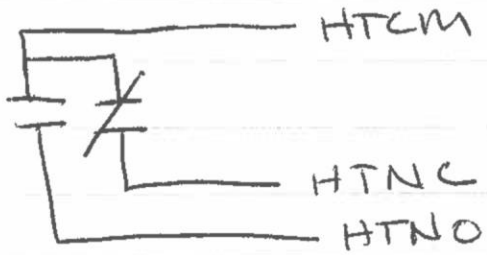
check for 5VDC at TS1P, TS2P, TS3P & TS4P-

[redacted]

Make sure JP1 is in default positi

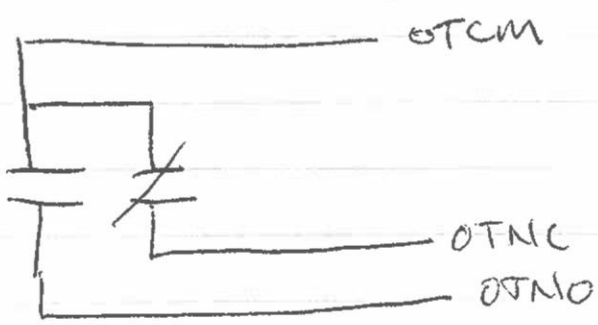
Turn Spare Power supply to 2 VDC touch it To TS1N, TS2N, TS3N & TS4N

HT LED should come on and you should hear Relay K2 click verify Relay contacts



Turn Voltage up to 5 VDC
Now both HT & OT Relays should come on,

Verify OT Relay



END OF TEST