

RED LED = BLADE IN
GRN LED = BLADE OUT

CONNECTOR MAPPING

7 PIN		20 PIN IDC
MS3106A	A	1
16S-1S	B	2
	C	3
	D	4
	E	5
5 PIN		
MS3106A	A	6
18-20S	B	7
	C	8
	D	9
	E	10
10 PIN IDC		
DB 15	1	11
	2	12
	3	13
	4	14
	5	15
	6	16
	7	17
	8	18
	9	19
	10	20
EL-1183 Shutter Cont.		EL-1233 Tester

CONTROLLER COMMAND OPEN/CLOSE

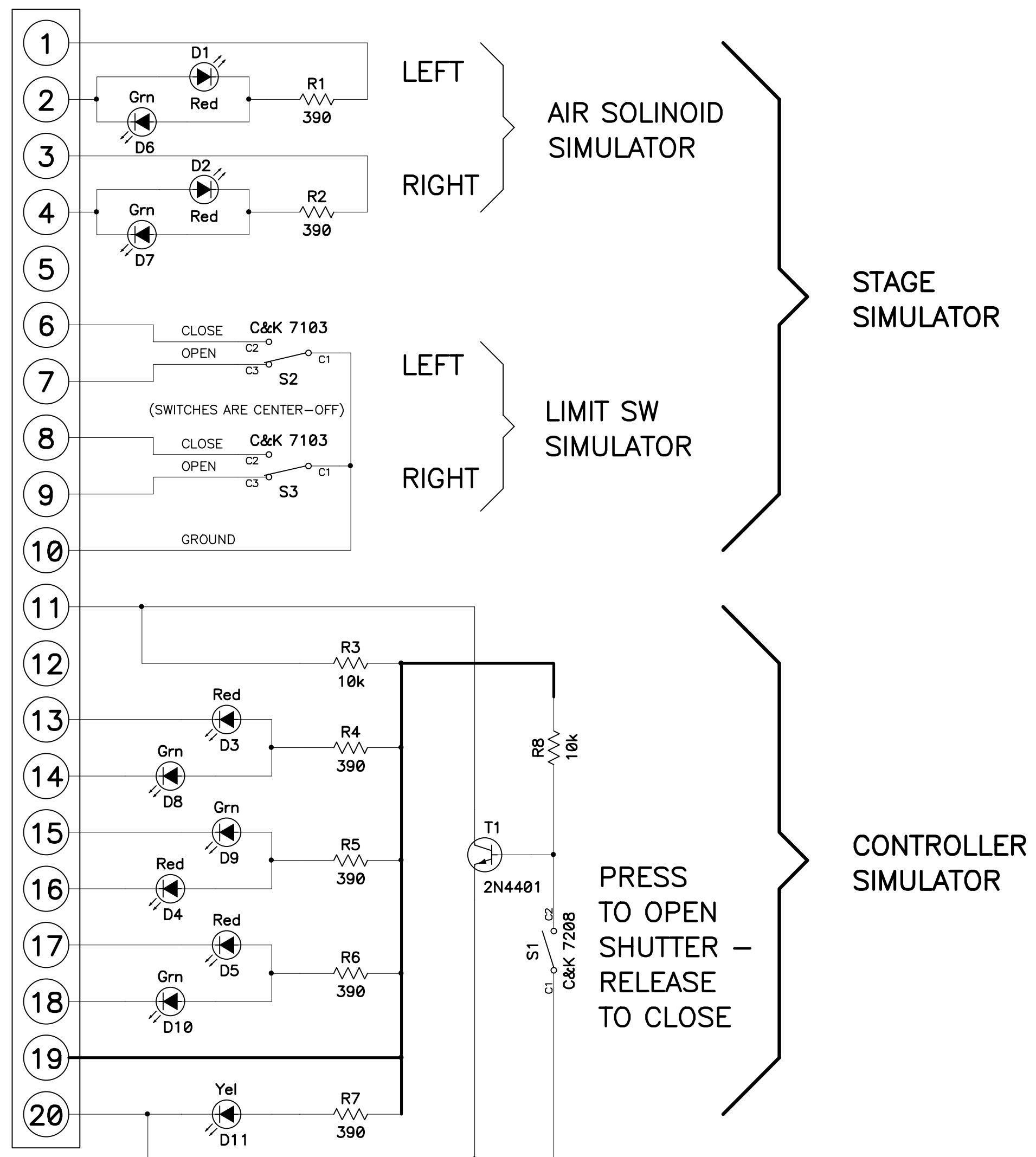
LEFT BLADE CLOSE
 OPEN

SHUTTER STATUS OPEN
 CLOSE

RIGHT BLADE CLOSE
 OPEN

5 VOLTS

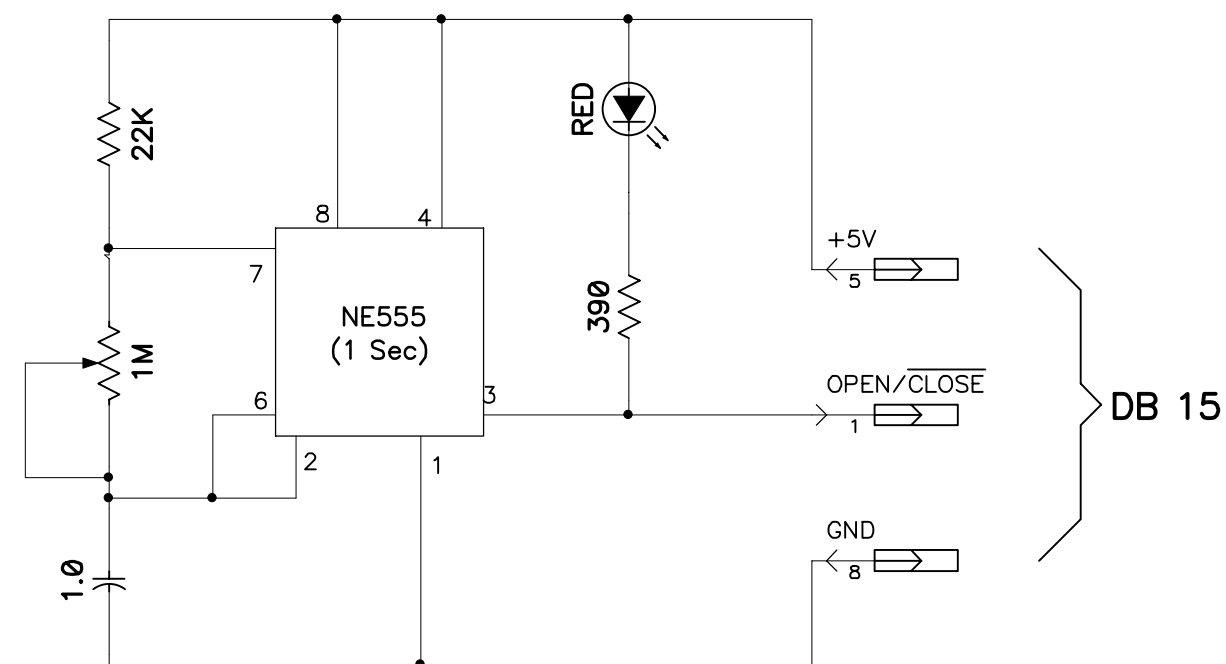
GROUND



UNIVERSITY OF CALIFORNIA LICK OBSERVATORY	
Tester & Simulator for Shutter Controllers, EL-1183	
DWG. NO.	EL-1233
DES'N BY: T. Cantrall	ORIGIN DATE: December 04, 1997
DRAWN BY: T. Cantrall	MODIFY DATE: Jul 12 1999
PATH: multipurpose\EL-1233\EL-1233.sch	SHEET 1 OF 2

REVISION
07-12-94 ORIGINAL DESIGN DATE
01-21-99 SWAPPED T1 COLLECTOR & EMITTER

Timer circuit built into DB15 connector hood takes power from the 15 pin connector of shutter controller EL1183 and provides an adjustable pulse train to automatically run an attached shutter.



REVISION

UNIVERSITY OF CALIFORNIA LICK OBSERVATORY	
Open-Command Generator for Shutter Controllers, EL-1183	
DWG. NO.	EL-1233
DES'N BY: T. Cantrall	ORIGIN DATE: December 04, 1997
DRAWN BY: T. Cantrall	MODIFY DATE: Jul 19 1999
PATH: multipurpose\EL-1233\EL-1233.sch	SHEET 2 OF 2