	Mouser Part #	Quantity	Price	Total	Notes
J2, J3, SSR1-4: Modular Jack	571-5556416-1	6	1.16	6.96	
R17 - R20: 10K Resistor 0.25W	660-MF1/4DC1002F	4	0.06	0.24	2 for DS76176 and 1 for ardweeny reset circuit, 10K on 5V end of zero detection circuit
IC2: DS75176	926-DS75176BTN/NOPB	1	1.50	1.5	
LED1-16: 2.1V Hi Brightness Red LED	941-C503BRCNCW0Z0AA2	16	0.14	2.24	
R1-R16: 1K Resistor 0.25W	660-MF1/4DC1001F	16	0.06	0.96	
C1-C3: 0.1uF Ceramic Capacitor	810-FK28X7R1E104K	3	0.13	0.39	Decoupling, 1 for DS75176 and 1 for Ardweeny, and one for reset circuit
28Pin IC Socket	571-1-390261-9	1	0.31	0.31	Optional
8 Pin IC Socket	571-1-390261-2	1	0.12	0.12	Optional
IC1: Atmega328P-PU	556-ATMEGA328P-PU	1	2.24	2.24	Or with arduino bootloader preprogrammed 782-A000048 4.95
Q1: 16MHz Crystal	774-ATS16A-E	1	0.54	0.54	
C4, C5: 22pF Ceramic Capacitor	810-FK18C0G1H220J	2	0.19	0.38	
SW2: Pushbutton panel switch	506-MSPS103C	1	2.80	2.8	Mode/Setup switch, mounted externally on box for safety and ease of use
SW1: Tactile Switch	506-FSM6JH	1	0.07	0.07	Reset switch on board. Note the mouser image is incorrect, it's 4 pin, click on datasheet to see correct image
JP1: Jumper	535-ME-100	1	0.15	0.15	Programming jumper
JP1, SV1: 36 Pin Breakaway Header	649-68004-236	1	0.83	0.83	1 is good for 4 controllers (6pins FTDI, 2pins programming jumper)
JP2-JP7: Jumpers	Use offcuts from components	7	0.00	0	Use offcuts from component cutting. JP7 should be heavier duty.
			SubTotal	19.73	
Zero Cross Detection Circuit (Can Omit if driving DC SSRs)	**110V ONLY, DO NOT USE WITH 240V**				
Neon: 0.7mA NE-2E Neon Bulb	606-A9A	1	0.32	0.32	
R21: 100K Resistor 0.25W	660-MF1/4D52R1003F	1	0.06	0.06	
R22, R23: 15K Resistor 1W	71-CCF60-15K-E3	2	0.10	0.2	
F1: Fuse Holder Clip	534-3517	2	0.21	0.42	
F1: 250mA Fast Acting Fuse	576-0235.250HXP	1	0.70	0.7	
6 Pin IC Socket	571-1-390261-1	1	0.20	0.2	Optional
IC3: Zero Crossing Opto Coupler	512-H11AA1M	1	0.64	0.64	
X1: 2 Position Terminal Block	571-2828372	1	0.40	0.4	
			Total	2.94	