

Part List

Wi-Fi & Sprinkler system

Source Data From	Sprinkler Control.SchDoc					
Project:	Wi-Fi & Sprinkler Control					
Variant:	U of U Computer Engineering					
Report Date:	7/13/2012 16:30					
Print Date:	11/2/2012 16:31					
Description	Vendor	Comment	Value	Quant	Price	Total Part Price
Arduino Duemilanove	Sparkfun Electronics	Atmega328 microcontroler	Atmega328	1	45	\$45
WiShield for Arduino	Async_labs	WiShield 2.0 - Arduino Shield	WiShield 2.0	1	55	\$55
Omron G5LE-1 Relay	Omron	Relay to turn on the sprinkler	G5LE-1	1	5.99	\$5.99
1N4004 diode	RadioShack	Diode	Micro 1-Amp	2	1.19	2.38
Photocell	RadioShack	Photocel for time of day	N/A	1	2.99	2.99
22-gauge wire solid core	RadioShack	Wire to connect relays to power	Wire	10 ft	0.5	4.99
10k resistors	RadioShack	Resistors	N/A	5	0.5	1.5
AC extension cord	K-Mart	Extension cord for water pump	N/A	1	5.99	5.99
NetGear Wireless Router	NetGear	Wi-Fi router for connectivity	Wireless N	1	59.99	59.99
Soil Moisture Sensor	DFRobot	Sensor for measuring moisture	SEN0114	1	4.8	4.8
Total:						\$189