

Protected Premises: Hilltop Superette Date: 6/10/14
 Address: Congress St City: Portland
 State: ME Zip: 04103 Note: Superette & Condos

Prepared By: Timothy Parent Phone: (207)576-9255
 Address: 187 Washington St City: Auburn
 State: ME Zip: 04211

Device #	Part Number	Current (amps)	Distance (Feet)		Circuit Voltage @ Each Device			
			Between	Total			14 AWG	
1	SR15	0.0660	16	16			19.10	
2	SR15	0.0660	9	25			19.05	
3	P2R15	0.0910	21	46			18.96	
4	P2R15	0.0910	19	65			18.89	
5	PC2RH135	0.2550	22	87			18.82	
6	P2R15	0.0910	22	109			18.78	
7	P2R15	0.0910	20	129			18.76	
8	P2R15	0.0910	20	149			18.75	
Total Current:		0.8420	% Voltage Drop:				2.25	
							Go	

Strikethrough indicates a value below the device's minimum voltage at indicated location and wire gauge.

These calculations assume a worst-case source voltage as measured by UL with the batteries depleted to 20.4 volts. Under AC power and for most of the drain cycle of the batteries, the circuit voltages will be substantially higher and thus, would support a greater number of devices. A device's minimum operating voltage is derived from the UL-requirement that it operate within a Regulated Voltage Range (16VDC - 33VDC).

Protected Premises: Hilltop Superette Date: 6/10/14
 Address: Congress St City: Portland
 State: ME Zip: 04103 Note: Superette & Condos

Prepared By: Timothy Parent Phone: (207)576-9255
 Address: 187 Washington St City: Auburn
 State: ME Zip: 04211

Device #	Part Number	Current (amps)	Distance (Feet)		Circuit Voltage @ Each Device			
			Between	Total			14 AWG	
1	MDL3R	0.0100	16	16			19.18	
2	MDL3R	0.0100	24	40			19.18	
Total Current:		0.0200	% Voltage Drop:				0.02	
							Go	

Strikethrough indicates a value below the device's minimum voltage at indicated location and wire gauge.

These calculations assume a worst-case source voltage as measured by UL with the batteries depleted to 20.4 volts. Under AC power and for most of the drain cycle of the batteries, the circuit voltages will be substantially higher and thus, would support a greater number of devices. A device's minimum operating voltage is derived from the UL-requirement that it operate within a Regulated Voltage Range (16VDC - 33VDC).

Protected Premises: Hilltop Superette Date: 6/10/14
 Address: Congress St City: Portland
 State: ME Zip: 04103 Note: Superette & Condos

Prepared By: Timothy Parent Phone: (207)576-9255
 Address: 187 Washington St City: Auburn
 State: ME Zip: 04211

Device #	Part Number	Current (amps)	Distance (Feet)		Circuit Voltage @ Each Device			
			Between	Total			14 AWG	
1	P2R15	0.0910	14	14			19.16	
2	P2R15	0.0910	27	41			19.13	
3	P2R15	0.0910	29	70			19.11	
Total Current:		0.2730	% Voltage Drop:				0.36	
							Go	

Strikethrough indicates a value below the device's minimum voltage at indicated location and wire gauge.

These calculations assume a worst-case source voltage as measured by UL with the batteries depleted to 20.4 volts. Under AC power and for most of the drain cycle of the batteries, the circuit voltages will be substantially higher and thus, would support a greater number of devices. A device's minimum operating voltage is derived from the UL-requirement that it operate within a Regulated Voltage Range (16VDC - 33VDC).

Protected Premises: Hilltop Superette Date: 6/10/14
 Address: Congress St City: Portland
 State: ME Zip: 04103 Note: Superette & Condos

Prepared By: Timothy Parent Phone: (207)576-9255
 Address: 187 Washington St City: Auburn
 State: ME Zip: 04211

Device #	Part Number	Current (amps)	Distance (Feet)		Circuit Voltage @ Each Device			
			Between	Total			14 AWG	
1	MHR	0.0290	32	32			19.14	
2	MHR	0.0290	18	50			19.12	
3	MHR	0.0290	61	111			19.07	
4	MHR	0.0290	19	130			19.05	
5	MHR	0.0290	19	149			19.04	
6	MHR	0.0290	43	192			19.03	
7	MHR	0.0290	20	212			19.02	
Total Current:		0.2030	% Voltage Drop:				0.81	
							Go	

Strikethrough indicates a value below the device's minimum voltage at indicated location and wire gauge.

These calculations assume a worst-case source voltage as measured by UL with the batteries depleted to 20.4 volts. Under AC power and for most of the drain cycle of the batteries, the circuit voltages will be substantially higher and thus, would support a greater number of devices. A device's minimum operating voltage is derived from the UL-requirement that it operate within a Regulated Voltage Range (16VDC - 33VDC).