

L4Q1	What is the resistance of the car window defroster if it dissipates 60W?	2.4	Ω		
L4Q2	For how long can Energizer 522 (~500mAh) 9-V battery operate a relay (JQX-15F) which draws 100 mA	18000	s	5	hr
L4Q3	If a 9 V battery with 4 Ω contact resistance is used and the relay resistance is 80 Ω and the wire has 10 Ω /mile, what is the maximum telegraph distance which will result in a 50 mA current through the relay circuit loop?	7713.6	m	4.8	mi