

ANTI-THEFT SYSTEM FOR CATALYTIC CONVERTER

Team: Theft-Away

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3. Nguyen Tang (Electrical Engineering)
4. Joey Giduscos (Electrical Engineering)

BILL OF MATERIAL

Item	Cost
HC-SR501 PIR Motion Sensor (5pcs)	11.01
AM312 PIR Motion Sensor (3pcs)	8.69
2 channels 5V Relay (2pcs)	7.39
LM2596 DC Buck Converter (6pcs)	12.12
Micro USB Cable (3pcs)	11.01
Lithium Battery charger cable	7.71
GSM SIM card	2.21
SIM subscription	22.05
RCWL-0516 microwave motion sensors (6pcs)	9.91
SIM800L module	9.93
SIM800L module	10.9
ESP-32 modules (3 pcs)	19.88
Alarm packs (6pcs)	24.88
Adhesive fiberglass heat shield + Aluminum heatshield	36.44
Catalytic converter	38.94
5052-H32 by .09" Aluminum Sheet (3pcs)	246.54
Glass Tube Fuse	6.61
M8 bolts (2 packs - 10pcs)	30
M8 Lock Washers - 1pack	12
M8 Nuts - 1pack	9.67
M8 Rivnuts - 2packs	11.26
	549.15