THE GADGET FREAK® FILES **CASE #140**

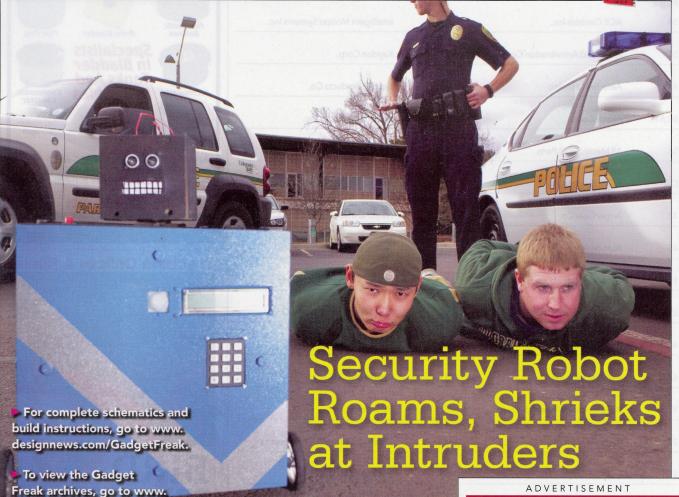
designnews.com/gfarchives.



Check Out Gadget Freak Case #139: Autonomous Blimp Has a Mind of Its Own

Nick Wagner's infraLED Zeppelin charts its own course: http://designnews.hotims.com/23105-510.





v.designnews.com/GadgetFreak.

ere's a robot that will roam your home or office seeking intruders. The Searching Security Robot was designed by Ian Smith and his fellow students in a mechatronics' course at Colorado State University. It sits on motor-powered wheels and its eyes consist of an ultrasonic range finder to keep it from bumping into walls. Once it's set up, the robot will roam a building seeking moving objects. It has four infrared sensors that detect motion in 360 degrees. When a moving object is detected, the robot sounds its alarm. **Check out the Security Robot in action at**

ARE YOU A GADGET FREAK? Design News and Allied Electronics would like to send you a check for \$500 to spend on Allied's website at www.alliedelec.com/gadgetfreak or anywhere you please. And don't forget to supply us with a video file of your gadget in action. E-mail Design News your proposed project (must incorporate electronic components and involve sensing, motion, timing and/or networking elements) to elizabeth.taurasi@reedbusiness.com, along with a description of how it works and a parts' list. If your project is selected, you'll receive a \$500 check from Design News and will be featured in an upcoming issue of the magazine with your invention.

ADVERTISEMENT "DOMO ARIGATO MR. ROBOTO"		
1	24 x 2 LCD Display	670-1141
1	Geared Stepper Motor	316-0060
4	Relays and vell-in G	788-1033
1	Keypad	948-7874
4	Power Transistors	503-0330
5	PIC16F88 Microcontroller	383-0496
7	0.1 μF Capacitors	507-0820
15	1,000 Ω Resistors	296-4741
5	330Ω Resistors	296-4764
4	Breadboards	237-0015
-		

Additional parts required: For a complete list of parts, go to www.designnews.com/GadgetFreak

To get Gadget Freak delivered directly to your inbox, along with more Gadget Freaks, sign up here: www.designnews. com/GadgetFreak.

For parts' information, call (800) 433-5700 or go to www.alliedelec.com/gadgetfreak

