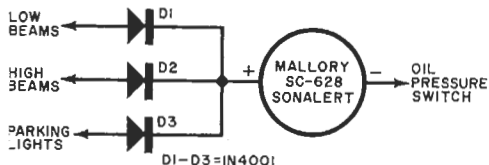


# LIGHT MINDER

ALERTS YOU TO TURN OFF CAR LIGHTS WHEN ENGINE IS SHUT DOWN

BY STEPHEN J. ERST

**R**EPLACING a dead battery resulting from having left your car lights on overnight is an expensive and time-consuming proposition. Detroit has remedied the "forgotten ignition key syndrome" with a buzzer; now you can remedy the "forgotten light syndrome" with a similar alerting system. With a Light Minder installed in your car, you



will be alerted to turn off parking and headlights whenever you turn off the engine without first switching off the lights.

As shown in the schematic, the Light Minder—consisting of three isolation diodes and a Sonalert tone generator—takes advantage of the operational positions of the oil pressure switch. The oil pressure switch is normally closed when the engine is not running, providing a convenient current path from chassis ground through the Sonalert and the appropriate diode to battery positive via the switched on lamp or lamps. Consequently, until the lamps are switched off, the Sonalert will continue to sound an alert.

When the engine is running, the oil pressure switch is normally open, breaking the current path through the Sonalert. This gives you a side benefit: if your lights are on while driving, the Sonalert will sound should there be a loss of oil pressure.

When installing the Light Minder into your car's electrical system, it is best to locate the Sonalert in the glove box or some other out of the way location. After making hookups, cover all joints with electrical tape to insulate and waterproof them. ♦



*The best of two worlds...*



**Short Wave Listening**

**Communications Radio**



**Drake  
MODEL  
SW4-A**

## International Shortwave Broadcast Receiver

- Precision tuning dial eliminates guesswork, permits Direct Frequency Dialing on SW and standard AM Broadcast
- Crystal lattice filter for adjacent station rejection and good AF response
- Dual conversion
- Solid state AF output
- S-meter
- Preselector gives superior sensitivity by peaking antenna and RF stages
- Crystal-controlled H. F. Oscillator stability
- Amplified AVC constant AF output.

**\$335.00**



**Drake  
MODEL  
SPR-4**

## Programmable Communications Receiver

- Programmable to suit any interest: SWL, Amateur, Laboratory, Broadcast, Marine Radio, etc.
- All solid state
- Direct Frequency Dialing: 150-500 kHz plus any (23) 500 kHz ranges, .500 to 30 MHz
- FET Circuitry
- Linear dial, 1 kHz readout
- 3 bandwidths: 0.4 kHz, 2.4 kHz, and 4.8 kHz for: CW, SSB, AM
- Power: 120 VAC, 220 VAC, and 12 VDC
- Crystals supplied for LW, BC and seven SW bands.

**\$499.95**

**R. L. DRAKE COMPANY**



**DRAKE**

540 Richard Street  
Miamisburg, Ohio 45342

### **SIMPLIFIED LIGHT MINDER**

I like the "Light Minder" (September 1972) but I think it can be simplified by leaving out three of the four parts. The diodes can be done away with by connecting the Sonalert from the tail-light line (which is on whenever parking lights or head lights are on) and the oil pressure switch. This system has been used in my VW for three years.

J. D. YOUNG, WASKNE  
San Diego, Calif.