

The Wizard's Tool Box™:

You usually can't make money doing "Specials", but sometimes you've gotta do 'em to get a profitable job.

Get those jobs done fast with Wizard's Tool Box Relays!

Also See
Pages
67, 73
& 97!

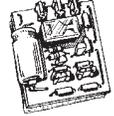
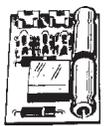
These are LOOP Sensing Relays, they go IN SERIES with one side of the line, and give you a dry contact closure. If you want to switch a high current or voltage, use our Slave Relay with 2 Form Cs and our 12V AC Adapter. The High Sensitivity Relay has a maximum voltage drop of 1.5VDC - *Verry Low!*

These are Universal Relays, which operate when they see voltage. The Ring Relay ONLY operates on AC, it won't operate on DC. The Universal Relay operates on just about any low voltage, allowing you to do all kinds of specials with this one relay.

Use these Hook Flash Relays to make sure that users don't cut people off on transfer. The Hook Flash with Timed Disconnect is the only unit I use, because it prevents the user from putting calls on hold "by accident" when trying to hang up, causing false recalls to the operator.

Use for A-Lead Control!

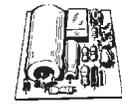
This relay will work IN SERIES with an LED in a phone! Make ANYTHING Happen!



Also see Ringer Alert Below!



Can be wired as Ringer Cut-off! (Page 62)



Hi-Sensitivity Loop Sensing Relay
1 Form A - NO
WTB-860617-40
\$17.95

Standard Sensitivity Loop Sensing Relay
1 Form C
WTB-860617-10
\$14.95

Universal Relay
12-30VDC & 10-24VAC
1 Form C
WTB-871120-10
\$15.95

Universal Ring Relay
40-150VAC at 15-60HZ
1 Form C
WTB-871120-20HS
\$20.95

500ms Hook Flash Relay with Switch
WTB-AFU-48
\$13.95

Latching Relay
12-30VDC - 1 Form C
Trigger, & Stays Latched until Supply is Removed
WTB-871120-30
\$20.95

Power Supplies:



12 VDC Slave Relay
2 Form C: \$17.95
24 VDC Version: \$17.95

12 or 24 VDC TIMER RELAY
1 to 60 Seconds OR Minutes!
Also works as Interrupter (Flasher)!
1 Form C: \$34.95

12VDC 500ma - #MON4T: \$ 7.50
24VDC 100ma - #CLN3I: \$ 8.95
24VDC 500ma - #CLN3L: \$ 14.99
24VDC 600ma - #CLN3K: \$ 37.50
24VDC 4 AMP - #CLN3M: \$149.95

NOTES:

- These relays NOT intended for connection to the Public Switched Network. For use behind PBX or Key System.
- All relays have double stick tape for mounting at the frame or in the phone.

Automatic 2 Line Answering Machine Switch *Use 1 Caller ID Box w/2 Lines!* **\$24.95**

Automatically connects to whichever line is ringing! For Outgoing Calls, use switch to select line.



Limited Quantity

See lots more info, wiring diagrams and application notes on our Wizard's Tool Box web page: www.sandman.com

DTMF Flash Generator #MIS9D \$48.95 • 3 @ \$44.95
Dial a digit or a string of digits, and the DTMF Flash Generator opens the line for a programmable length of time!

- Always listening for Activation Code!
- Flash up to 1060ms, to hang up the line!
- Install *In-Front* of PBX or Key System, to Flash the CO Line
- *Hang-up* with a "D" Tone!

DTMF Tone Generator #MIS9H \$48.95 • 3 @ \$44.95
Dial a digit or a string of digits, and the DTMF Tone Generator makes any other digit or string of digits you need! *Always listening!*

DTMF Relay (Requires 12VDC-25ma) #MIS1C \$79.95 • 3 @ \$74.95
Dial one or a string of digits, and activate a dry closure. Programmable Dry Closure time, or works as a toggle - on/off. Programs from Touch Tone Phone. 2 SPST Relays - Independently Controlled!

AUDIO CONTROL RELAY

- When it hears audio, relay activates!
- Use for **MUTING MUSIC** while paging.
- Also use to sense silence!
- High Impedance Input • 2 Form C
- Input sensitivity adj. -30 to 0dBv
- Release delay adjustable 5 to 50 sec.
- 24VDC 50ma • 100ma 24V Cube \$8.95

\$89.95
#MON40



Same Relay with NO Delay (switches within 1/2 sec.) #MON4P: **\$94.95**

Ringer Alert makes Lights Flash when **110VAC** the Phone Rings! **Relay!**

Switches up to 300 Watts AC when the phone rings. For Lights, Buzzers or ???..... \$19.95



You're Wasting Your Time Trying to Fix Paging Systems Without One of These!

\$289.95 THE SECRET OF PAGING SYSTEM REPAIR & INSTALLATION

It's called an "Impedance Bridge":

- Read speaker draw in Watts
- Adjust taps to match amp
- Find where the customer hung an 8 Ohm speaker
- See why the amp sounds bad, blows fuses or blows breakers

• Easiest to Use!
• For 25 and 70V Spkr Lines
• Includes Case & Batteries

