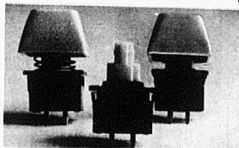


Since 1948  
**Innovation  
 & reliability  
 by**



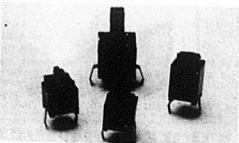
"Specifications Subject to Change."

# The Wizards of ALPS™



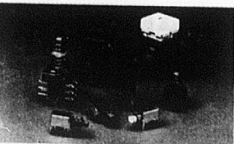
## KEY SWITCHES

Exceptional reliability results from gold alloy clad contacts made by new skiving and roll-bonding process, and unique action of contact assembly. Keytops double-shot molded. Available with and without locking and LED indicators.



## TACT SWITCHES

Alps "Tact" (for "tactile") switches either click or snap silently, click can be single or double action. Silent-snap types use single piece of molded silicon rubber as spring, and carbonized rubber as contact. Click switches use silver clad phosphor.



## SUE PUSHBUTTON SWITCHES

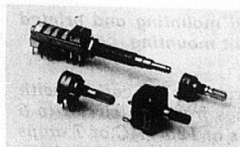
Available with 0, 2, 4, 6, 8, and 10 poles. Double-sided sliding contacts glide easily over fixed contacts, resulting in more reliable electrical contact, lower contact resistance, less noise, less friction, and longer life.



Copyright © 1981  
 Alps Electric (USA) Inc.

## POWER SWITCHES

Both push and rotary type. Alps rotary power switches translate rotary into linear action for easy mounting on PC boards. Alps push-type power switch SDZ-1P is first to receive TV-8 rating from Underwriters laboratory.



## VARIABLE RESISTORS

Rotary types turn with exceptional reliability due to precision molding and punching of parts, and a proprietary lubricant. Single and dual single-shaft pots both use same casing. 12mm standard and double shaft, and 16mm multi-unit pots also available.

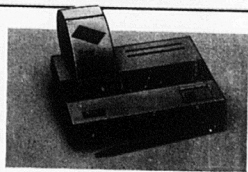
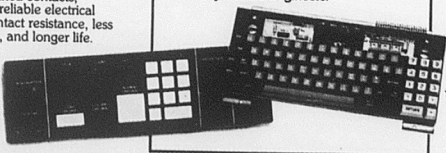


## RESISTOR NETWORKS

Circuitry formed with a selected cermet resistance element on high purity alumina substrate, for extremely high stability and dependability. Exceptional accuracy in resistance value achieved through use of laser trimming.

## CUSTOMIZATION

Alps can supply key switches individually or in complete keyboards — customized to your specifications with the assistance of Alps' (USA) factory-trained engineers.

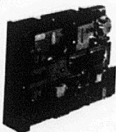


## PRINTERS

Alps new printers actually write, with a ball point pen, and can thus produce any graphic symbol, including graphs and pictures. One model can produce graphics in four colors. All models produce alpha-numerics as small as 1.5mm (.059") high, or as large as 6mm (.24") high

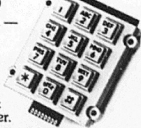
## FLOPPY DISK DRIVE

Alps offers two models of low profile floppy disk drives: one with an analog board; one as mechanism only. Both are 41mm thick, half the conventional thickness. Ceramic head keeps media free from wear, for increased reliability of data.



## TELEPHONE KEYBOARD

Totally new idea — the springs & contacts for all the keys are integral parts of a single piece of molded silicon & carbonized rubber.



## OTHER PRODUCTS

### include:

Telephone key switches, LCD displays, illuminated key push switches and push potentiometers, 3mm diameter trimmer capacitors, micromini manual tuners, AM electronic tuners.

## ALPS ELECTRIC (USA), INC.

100 N. Centre Ave., Rockville Centre, NY 11570  
 (516) 766-3636, TLX (WU) 14-45-08

19401 So. Vermont Ave., Torrance, CA 90502, (213) 516-8921

ALPS ELECTRIC EUROPA GmbH  
 Rheinparkhaus, Cecilienallee 6-9, 4000 Düsseldorf 1,  
 F.R. Germany, Phone (0211) 499161 — 4.  
 TLX: (858) 2072