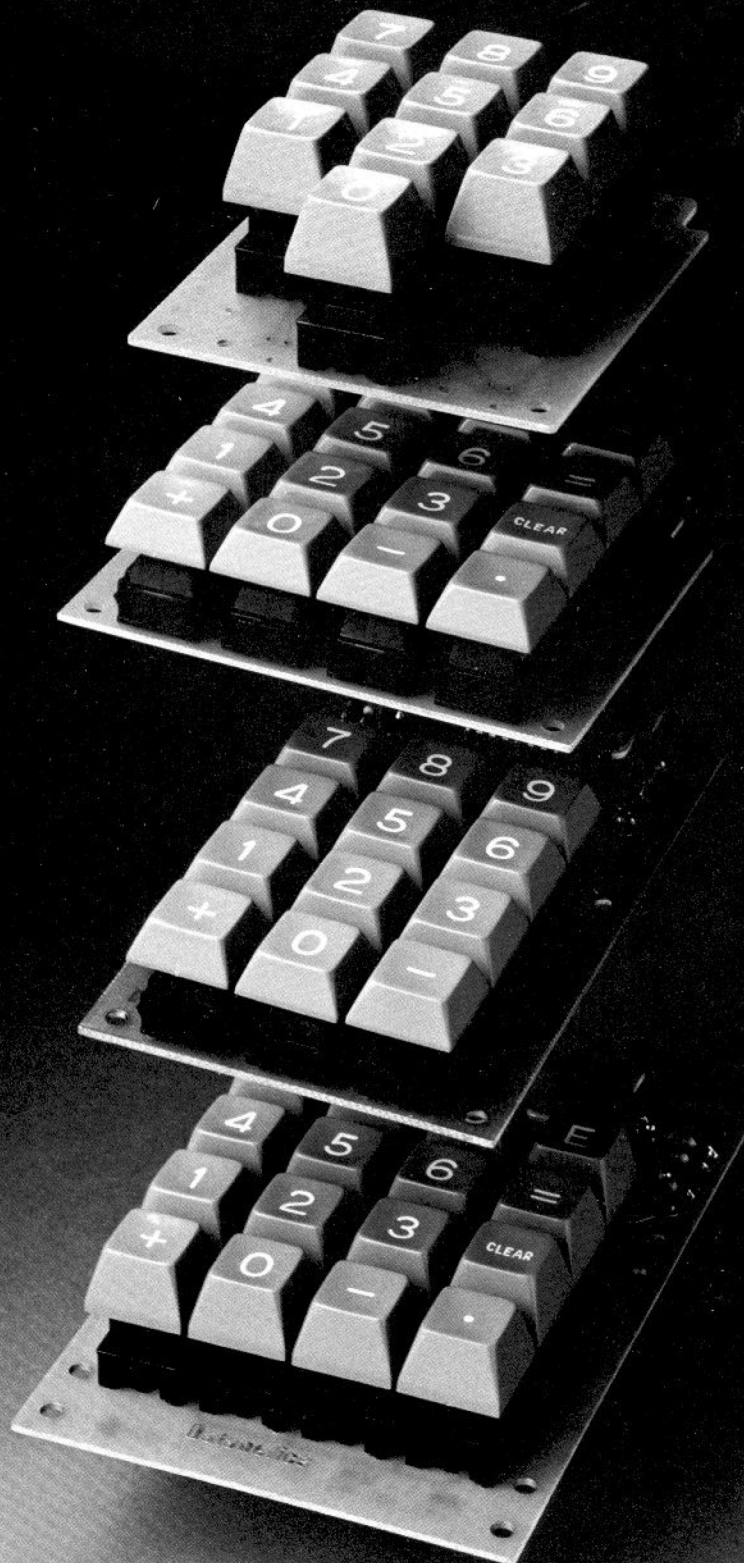


10-, 12- and 16- Station Keyboards
Encoded and Non-Encoded



DC-420 Series Keyboards - Non-Encoded /Series

DC-50 These high-performance keyboards use the enclosed contact DC-51-01 key switch tested to **100 million operations**. Contact bounce is less than 2 msec. DC-420 Series keyboards feature tactile feedback and hysteresis for error-free operation, and are available from stock, or may be custom-built to your specifications.

Standard Models Available: See back page.

For electrical and mechanical specifications, refer to specifications for DC-50 Series, key switch DC-51-01.

DC-400 Series Keyboards - Non-Encoded /Series

DC-60 These high quality, low cost keyboards utilize the DC-60 Series key switches which offer a choice of three low profiles ranging in size from 0.85" to 1.00" (21.6 mm to 25.4 mm). Measurements are from bottom side of PC board to top of key cap.

Other features include tactile feedback and a minimum life of 15 million operations. DC-400 Series keyboards are available from stock or may be custom-built to your specifications.

Standard Models Available: See back page.

For electrical and mechanical specifications, refer to specifications for DC-60 Series key switches, as follows:
DC-410 keyboards use DC-61-01 switches
DC-430 keyboards use DC-61-03 switches
DC-450 keyboards use DC-61-05 switches

Encoded Keyboards...DC-60 Series Switches

These low-cost, high performance keyboards feature DC-60 Series switches plus TTL-compatible encoded electronics, and offer the following features:

- Low per-station cost
- Tested to over 15 million operations
- Tactile feedback
- Choice of three low profiles
- 4-bit BCD code output with strobe
- N-key lockout
- 2-key rollover

Keyboards are available from stock, or may be custom-built to your specifications.

Standard Models Available: See back page.

SPECIFICATIONS:

Switch Characteristics

Refer to data for DC-60 Series switches.

Output Code

4-bit BCD (1-2-4-8)

Output Drive

For DC-510, DC-530, and DC-550 Series: eight milliamperes.

For DC-610, DC-630, and DC-650 Series:

1.6 ma (one TTL load).

Output Logic Levels

"0" = 0.40V dc max,

(Positive logic)

"1" = 3.5V dc min.

Output Strobe

Positive level as long as switch is depressed.

Delayed 2 msec (LSI electronics) or 5 msec (MSI electronics) from data.

Bounce

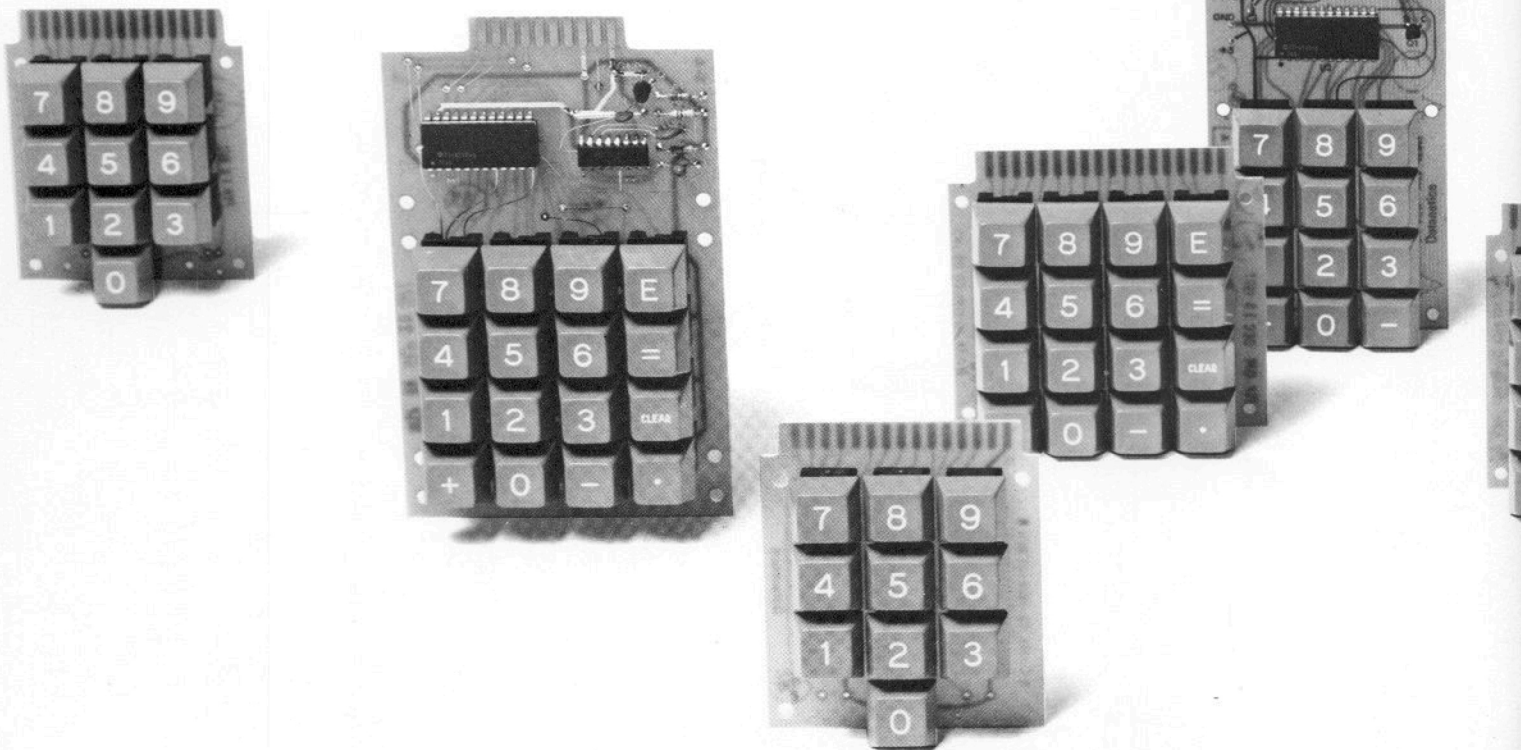
None.

Lockout

n-key lockout.

Rollover

2-key rollover.



Encoded Keyboards...DC-50 Series Switches

These high-performance keyboards feature the DC-51-01 key switch with contacts enclosed in a mylar and stainless steel diaphragm. This patented Datanetics process assures **long life and trouble-free operation**. Other features include:

- Tactile feedback and hysteresis
- 4-bit BCD code output with strobe
- N-key lockout
- 2-key rollover
- 12-degree key stem for stepped keyboards

Keyboards are available from stock, or may be custom-built to your specifications.

Standard Models Available: See back page.

SPECIFICATIONS:

Switch Characteristics

Refer to data for DC-50 Series switches.

Output Code

4-bit BCD (1-2-4-8)

Output Drive

For DC-510, DC-530, and DC-550 Series: eight milliamperes.

For DC-610, DC-630, and DC-650 Series:

1.6 ma (one TTL load).

Output Logic Levels (Positive Logic) "O" = 0.40V dc max.

Positive level as long as switch is depressed.

Delayed 2 msec (diode matrix), or 5 msec (MSI electronics) from data.

Bounce

None.

Lockout

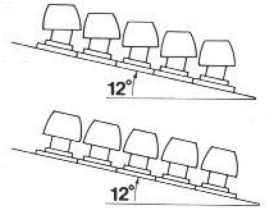
n-key lockout.

Rollover

2-key rollover.

Datanetics offers high-performance/low-cost keyboards in any common code structures to meet requirements for communications and data-entry terminals, or for any other custom needs. Keyboards employ MOS technology, and are available in mono-, dual-, tri- and quad-mode outputs. They may be specified with either electronic or mechanical shift locks.

Stepped Keyboards: Any keyboard may be mounted in a sloped position, with key tops parallel to the keyboard. However, a stepped keyboard may be furnished with key tops horizontal, at a 12-degree angle from the plane of the keyboard. The offset key stem is available in any keyboard using DC-50 Series key switches.

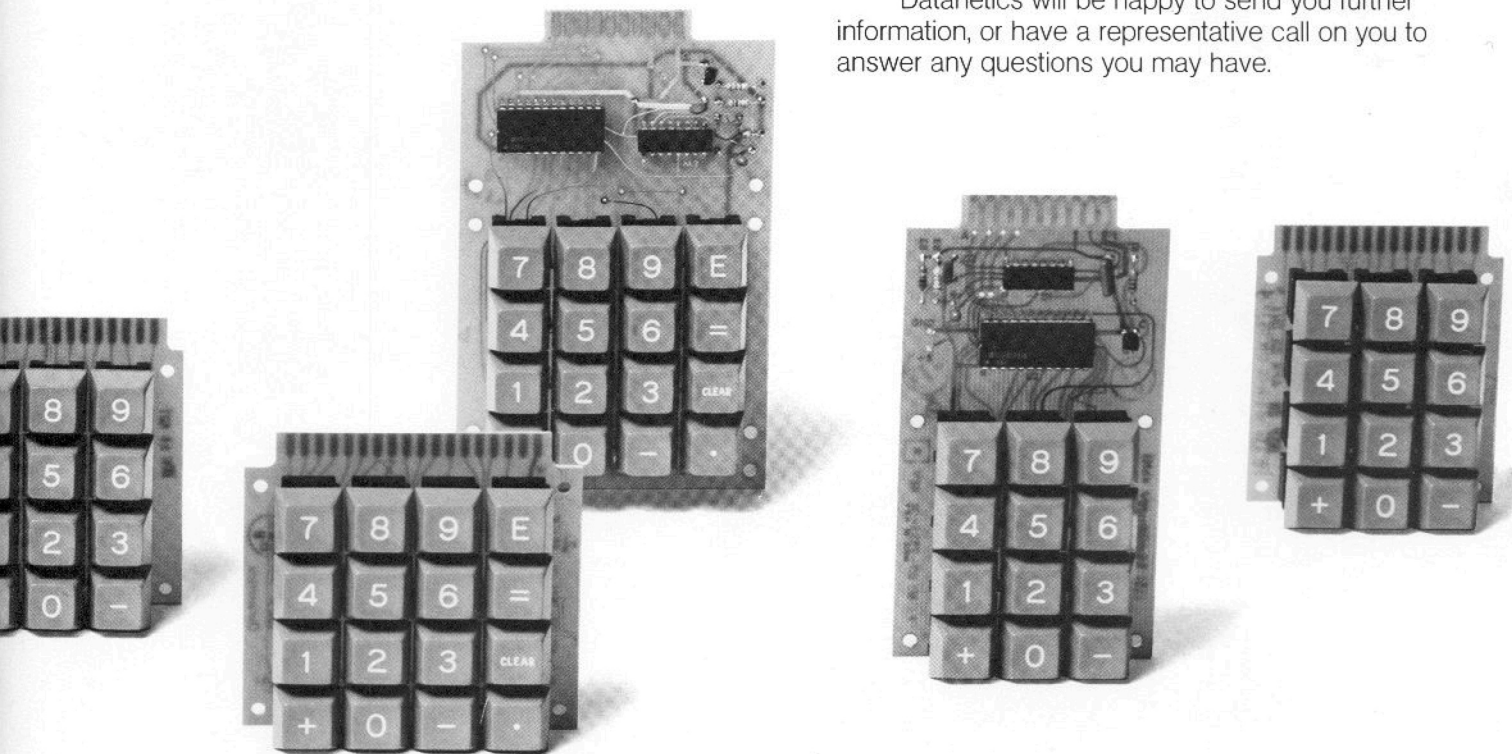


Custom Keyboards: Datanetics keyboards may include the following special features:

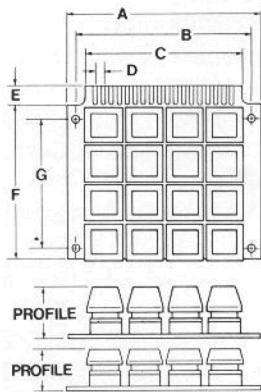
- Custom key layouts
- Custom packages
- Pulsed or level output strobe
- Special output codes
- Additional character storage
- Repeat function, key-actuated or time delay
- Serial output

All Datanetics keyboards, encoded and non-encoded are backed by a quality guarantee. Datanetics pioneered the development of keyboard and switch technology, and is a supplier to the world's major calculator, business machine and computer peripheral companies.

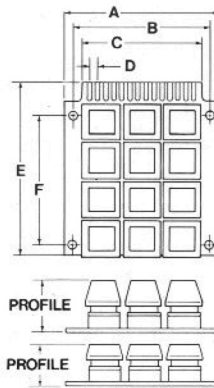
Datanetics will be happy to send you further information, or have a representative call on you to answer any questions you may have.



Non-Encoded Keyboards, DC-60 and DC-50 Switches

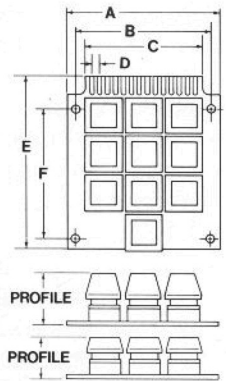


- A** 3.625 (92.1)
- B** 3.250 (82.6)
- C** 2.960 (75.2)
- D** .156 (3.96) TYP.
- E** .380 (9.65) REF.
- F** 3.375 (85.7)
- G** 2.562 (65.1)

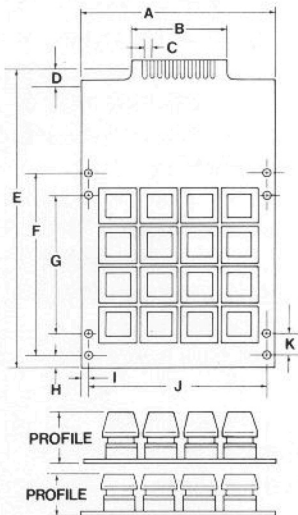


- A** 2.873 (73.0)
- B** 2.500 (63.5)
- C** 2.484 (63.1)
- D** .156 (3.96) TYP.
- E** 3.373 (85.7)
- F** 2.562 (65.1)

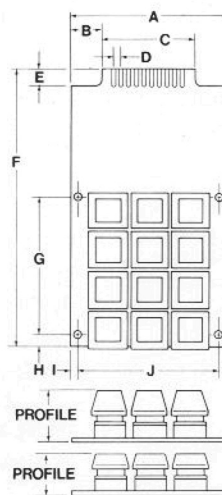
Dimensions for 12-station and 10-station models are identical



Encoded Keyboards, DC-60 and DC-50 Switches

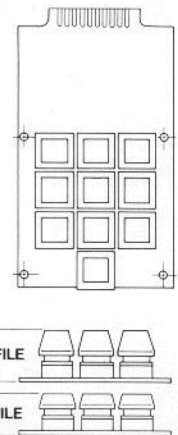


- A** 3.62 (91.95)
- B** 1.700 (43.2)
- C** .156 (3.96) TYP.
- D** .38 (9.65)
- E** 5.88 (149.4)
- F** 3.500 (88.9)
- G** 2.560 (65.0)
- H** .250 (6.35)
- I** .188 (4.78)
- J** 3.250 (82.5)
- K** .470 (11.9)



- A** 2.875 (73.0)
- B** .587 (14.9)
- C** 1.700 (43.2)
- D** .156 (3.96)
- E** .375 (9.52) REF.
- F** 5.34 (135.6) REF.
- G** 2.562 (65.1) REF.
- H** .188 (4.78)
- I** .188 (4.78)
- J** 2.500 (63.5)

Dimensions for 12-station and 10-station models are identical



Standard Models Available

	Non-encoded Models	Encoded Models	Encoded Models	Stations	Profile (in.)	Profile (mm.)
DC-50 Series	DC-421	DC-521	DC-621	16	1.237	31.4
	DC-423	DC-523	DC-623	12	1.237	31.4
	DC-425	DC-525	DC-625	10	1.237	31.4
DC-60 Series	DC-411	DC-511	DC-611	16	0.85	21.6
	DC-413	DC-513	DC-613	12	0.85	21.6
	DC-415	DC-515	DC-615	10	0.85	21.6
	DC-431	DC-531	DC-631	16	1.00	25.4
	DC-433	DC-533	DC-633	12	1.00	25.4
	DC-435	DC-535	DC-635	10	1.00	25.4
	DC-451	DC-551	DC-651	16	0.98	24.9
	DC-453	DC-553	DC-653	12	0.98	24.9
	DC-455	DC-555	DC-655	10	0.98	24.9

*Profile measured from bottom of pc board to top of key cap.

Output Drive for 500 series:
MSI electronics. Logic "O" sinks 8.0 ma, "1" sources 100 ua.

Output Drive for 600 series:
Diode matrix encoding. Logic "O" sinks 1.6 ma; "1" sources 40 ua. Buffering may be required.

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Datanetics manufactures Key Switches, Touchboards, Datasel, Custom and Standard Keyboards.

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