DOME CONTACT/LOW PROFILE/WASHABLE

DISTINCTIVE FEATURES

Low profile dimensions from PCB to top of switch.

Wide choice of body shapes and colors.

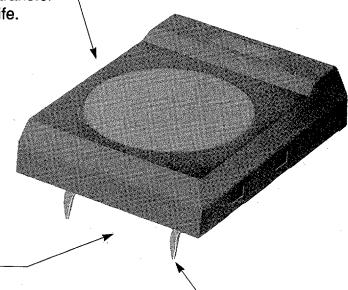
Minimal operating force and short stroke permit light touch operation.

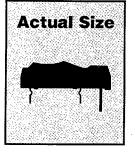
Dome contact gives crisp tactile and audible feedback to positively indicate circuit transfer and assures high reliability and long life.

Totally sealed contact mechanism permits wave soldering and washing.

Space saving body dimensions provide for compact, side-by-side mounting on a standard grid.

> Terminal spacing conforms to standard .100" PCB grid.





Single-pole, single-throw contacts with strapped terminals allow X-Y coding on a single-sided PC board and simplify external circuit arrangement.

Crimped terminals provide a spring type action to ensure secure mounting and prevent dislodging during wave soldering.

J9

THE SERIES JF KEYPAD SWITCHES

DOME CONTACT/LOW PROFILE/WASHABLE

GENERAL SPECIFICATIONS

Electrical Capacity: (Resistive Load)

50mA @ 24V DC

Contact Resistance:

50 milliohms maximum

Insulation Resistance:

500 megohms minimum @ 250V DC

Dielectric Strength:

250V AC minimum

Mechanical Life:

500,000 operations minimum

Electrical Life:

500,000 operations minimum

Total Travel:

0.4mm (.016") for flush actuator & 0.8mm (.031") for sculptured actuator

Ambient Temp Range:

-25°C through +70°C (-13°F through +158°F) for illuminated models

-25°C through +85°C (-13°F through +185°F) for nonilluminated models

Nominal Operating Force:

200 grams with sculptured actuator; 350 grams with flush actuator

Contact Bounce:

0.1 millisecond maximum

MATERIALS & FINISHES				
Actuator	Polyamide			
Case	Glass fiber reinforced polyamide			
Seal	Nitrile butadiene rubber			
Base	Glass fiber reinforced polyester			
Movable Contact	Phosphor bronze with silver plating			
Stationary Contacts	Brass with silver plating			
Terminals	Brass with silver plating			

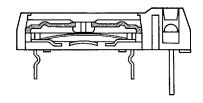
APPLICATIONS

These tact switches are designed for compact mounting and offer flexibility in panel design. JF switches are ideal for use in today's wide array of miniaturized equipment: medical measuring instruments and devices for measuring thickness, water quality, etc.; communication equipment; automated office machines; consumer electronics; video switchers, AV special effects equipment, and monitoring camera system controllers.

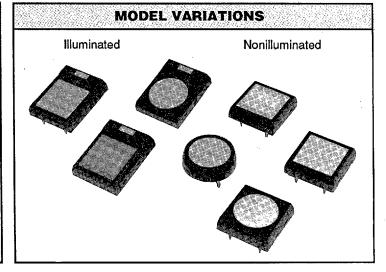
These single pole single throw, momentary devices are available in both illuminated and nonilluminated versions. Inscriptions are available upon request to the factory. They are styled with a black housing in contrast to the colored, round or square actuators. Spot illuminated models are offered with red, yellow, or green LEDs and with isolated lamp circuits. Actuators are available in a choice of five colors.

PROCESS SEALED & SPLASHPROOF

The contact mechanism is surrounded by a rubber seal which permits the switches to be subjected to time-and money-saving automated soldering methods. They can also be safely cleaned of flux using alcohol based clean-ing solvents. (Other solvents are not recommended.) Switches should not be operated or have any pressure on the actuators during washing.



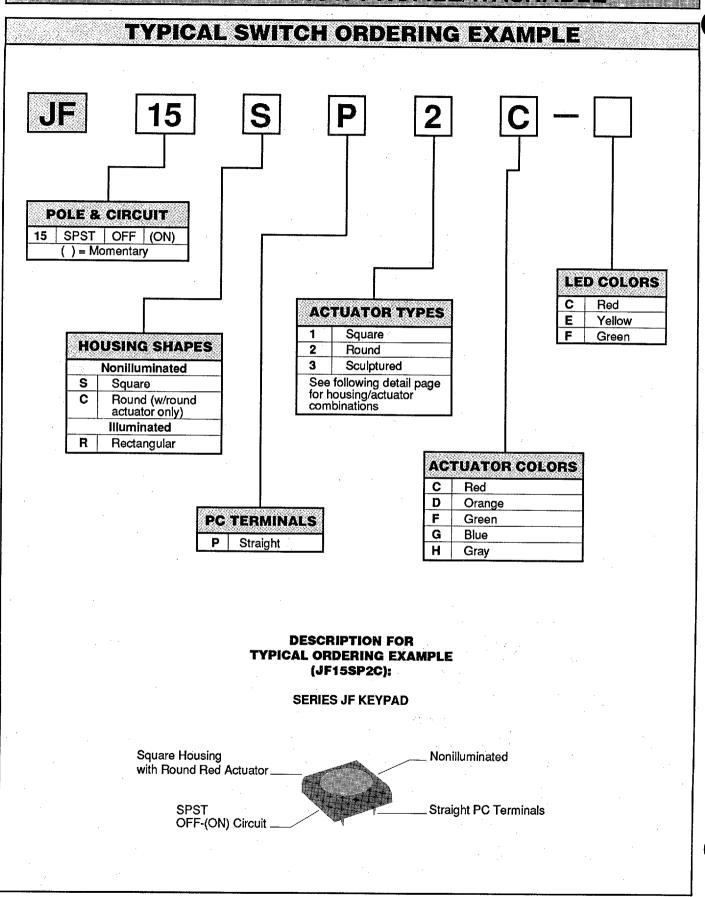
D



nkk° **fwitcheg** • 7850 E. Gelding Dr. • Scottsdale, AZ 85260 • Phone (602) 991-0942 • Fax (602) 998-1435

NIII SERIES JF KEYPAD SWITCHES

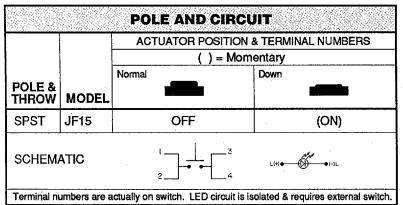
DOME CONTACT/LOW PROFILE/WASHABLE

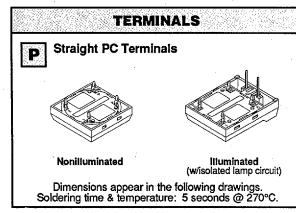


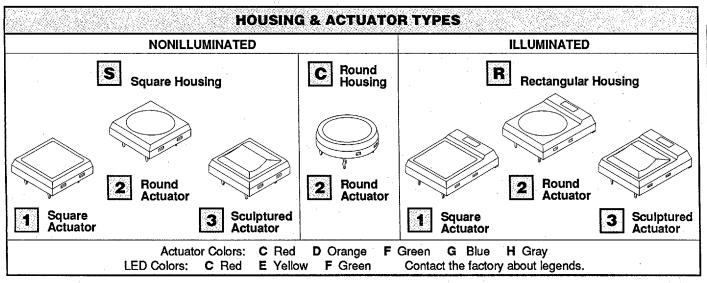
J11

NIKE SERIES JF KEYPAD SWITCHES

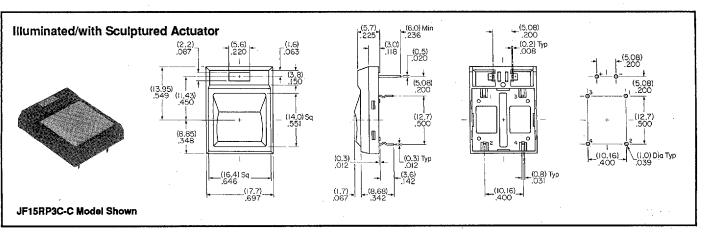
DOME CONTACT/LOW PROFILE/WASHABLE







LED!	SPECIFICATIONS				
LEDs are supplied as an integral part of illuminated devices and are not available separately. LED polarity markings are on the bottom of the switch, The electrical specifications shown are determined at a basic temperature of 25°C. If the source voltage exceeds the rated voltage, a ballast resistor is required. The resistor value can be calculated by using the formula at the end of this catalog.			Red	Yellow	Green
	Forward Peak Current	I _{FM}	40mA	40mA	40mA
	Continuous Forward Current	F	30mA	30mA	30mA
	Forward Voltage	٧ _F	1.7V	2.2V	2.2V
	Reverse Peak Voltage	V _{RM}	4V	4V	4V
	Current Reduction Rate Above 25°C	Δl _F	0.67mA/°C	0.67mA/°C	0.67mA/°C



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J12

TITE SERIES JF KEYPAD SWITCHES

DOME CONTACT/LOW PROFILE/WASHAB

