



Primarily designed to fit in 24 mm x 24 mm grid and tile systems, this Series is also used extensively on rail control panels that are not in grid systems. They offer a higher mounting density capability due to their reduced height profile. Up to 24 independent circuits are available in this line. All devices are "plug couple" to facilitate easy replacement in the system.

Some of the main features of the Series 5000 switch include:

- »New large LED illuminated knobs/multicolored lenses
- »Heavy duty - low distortion construction/stainless steel mechanism
- »High panel density/switch and indicators in single 24mm tile
- »Low unit cost/superior quality and structural design
- »Greatest reliability/5 million cycles
- »Easy serviceability/LEDs replaceable from the front of grid/panel
- »Unparalleled circuit flexibility/up to 14 Form C contacts in extended enclosure
- »Push or Push/Pull functions are also available in a solid aluminum housing

Electrical Characteristics

Current and Voltage Ratings	5 Amps at 28 VDC (resistive) [Standard Power] 3 Amps at 28 VDC (inductive) [Standard Power] 5 Amps at 250 VAC, 60 Hz [Standard Power] 7 Amps at 28 VDC (resistive) [Optional High Power] 4 Amps at 28 VDC (inductive) [Optional High Power] 7 Amps at 250 VAC, 60 Hz [Optional High Power] 1 Amp at 28 VDC (resistive) [Optional - Dry Circuit (Gold)] .050 Amp 28 VDC (inductive) [Optional - Dry Circuit (Gold)] 1 Amp at 125 VAC, 60 Hz [Optional - Dry Circuit (Gold)] <i>Bifurcated Gold also offered: Contact Factory</i>
Dielectric Strength	500 VAC min. live metal to ground

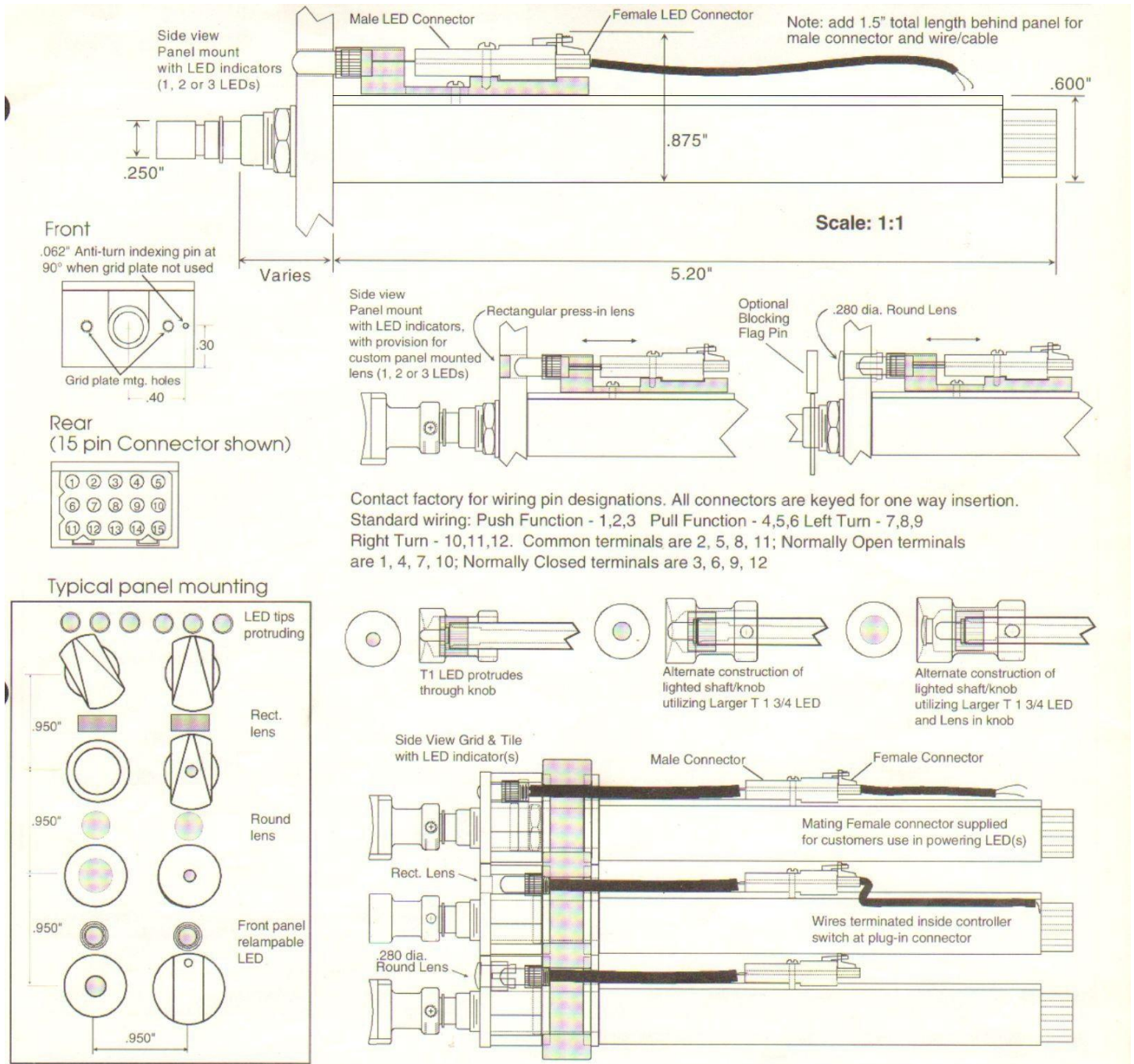
Mechanical Specifications

Life	10 Million cycles electrical In excess of 5 Million cycles mechanical
Temperature	-30°C to +105°C -22°F to +212°F
Integral Connector (All pins wired)	Average removal force - 41 lbs 20 lbs minimum retention, each terminal Flammability - UL94V-2
Operating Force	Push - Pull (Static) - 50 lbs (Maximum Limit) Rotational - 2 ft lbs (Maximum Limit) Push - Pull - 3 lbs (Minimum Limit) Rotational - 14 in oz (Minimum Limit)

Information accurate as of December 12th, 2012



Dimensions





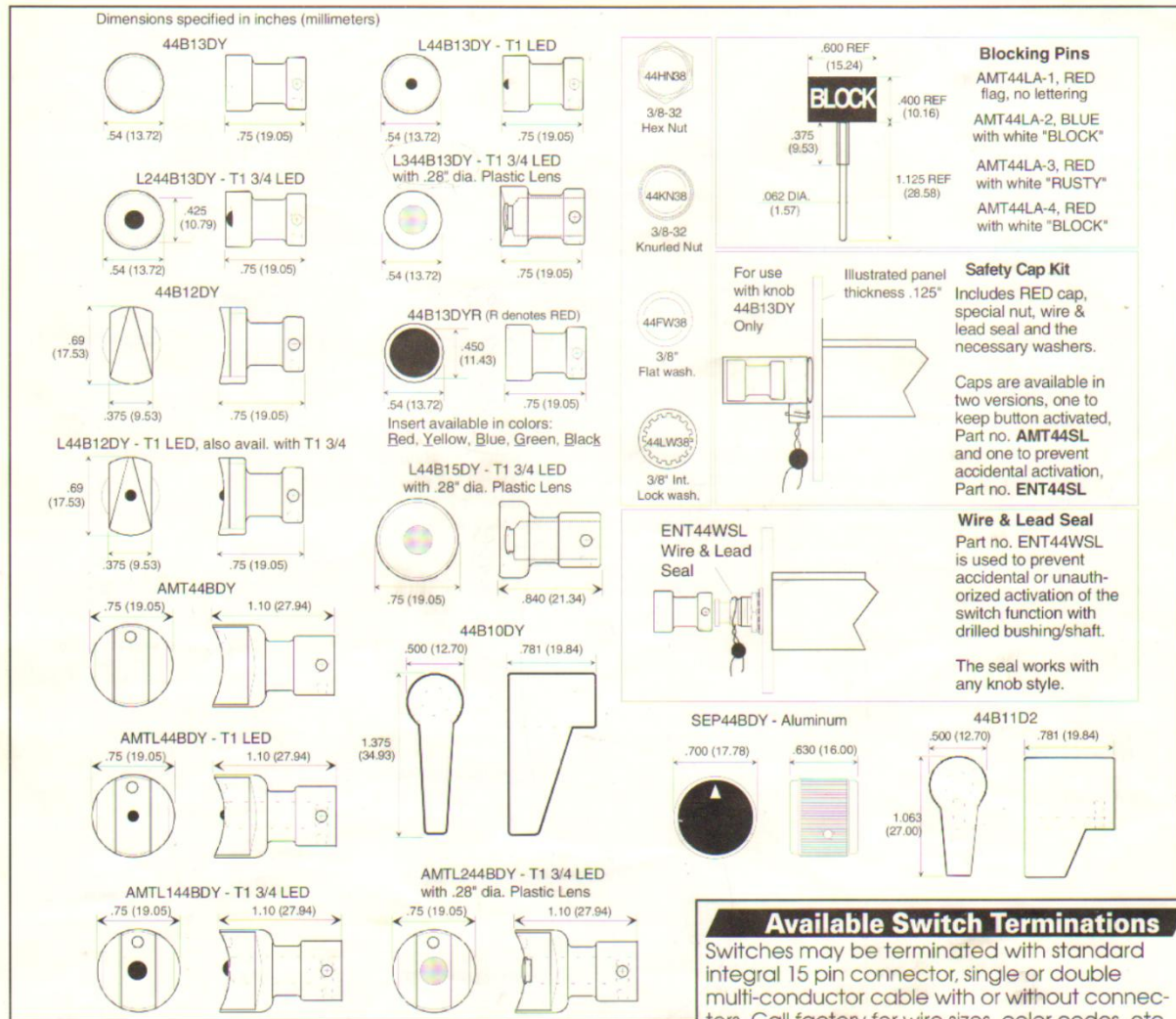
Switch Action/Bushing Availability

A		Momentary Push	
B		Momentary Pull	
C		Momentary Push-Pull	
D		Momentary Push - Right Turn - Latching	Spring Return to Neutral
E		Momentary Push - Left Turn - Latching	Spring Return to Neutral
F		Push - Right & Left - Latching	Spring return to neutral when unlatched
G		Push, Right & Left Turn - Momentary	
H		Pull, Right Turn & Latching	Spring return to neutral when unlatched
I		Pull, Left Turn & Latching	Spring return to neutral when unlatched
J		Pull, Right & Left Turn - Latching	Spring return to neutral when unlatched
K		Pull, Right & Left Turn - Momentary	Spring return to neutral
L		Right & Left Turn - Momentary (3 Position)	Spring return to neutral
M		Right & Left Turn - Latching (3 Position)	Manual return to neutral
N		3 Position Turn - Right Latching - Left Momentary	Spring return to neutral when unlatched
O		3 Position Turn - Left Latching - Right Momentary	Spring return to neutral when unlatched
P		2 Position Turn - Right & Left Latching	Manual return
Q		Pull - Push and Turn Right and Latch	Spring return to neutral when unlatched
R		Pull - Push and Turn Left and Latch	Spring return to neutral when unlatched
S		Pull - Push and Turn Right or Left and Latch	Spring return to neutral when unlatched
T		Pull - Push, Right or Left Turn and Latch from Neutral	Spring return to neutral when unlatched
U		Pull - Push, Momentary Right or Left Turn from Neutral	Spring return to neutral
V		Pull - Push, Turn Right or Left Momentary from Push Position	Spring return to neutral
W		Momentary Pull - Push, Momentary Right & Left Turn, Momentary Push from Right or Left Turn Positions, No Turn from Pull Position	
X		Pull - Push from Latching Center Neutral, Right & Left Turn Latching from Neutral (Center), Momentary Push - Pull from Turned Latched Position	
Y		Center Pull - Push Momentary, Right & Left Turn Momentary Push - Pull Momentary from Right or Left Position	
Z		Manual Right or Left Turn Latching, Momentary Push - Pull from either Turned Position	
a		Center Momentary Pull - Push, Right or Left Turn Latching, Momentary Push From Right or Left Turn Positions	
b		3 Position Turn Only - Center Maintained Push Contacts, Independent Latching Left and Right Turn Functions	



Available Hardware/Cable Assemblies

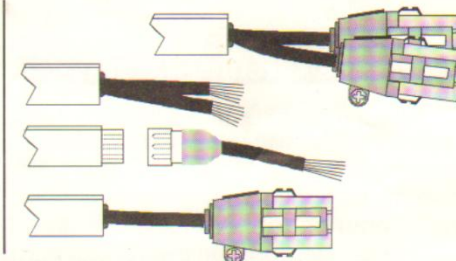
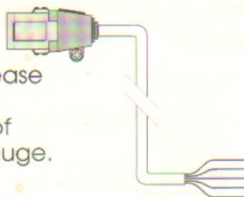
LED's specified in most knobs can be T1 or T1 3/4 size. All are available in Red, Green, Amber, Blue and White, with or without plastic fresnel lens embedded in knob. Advise color and if voltage is 12V or 24V. All LED's in knobs and grid/tile systems are front panel replaceable in the field.



Cable Assemblies

Entech Corporation has the ability to supply cable assemblies of any length to mate with our controls. Please contact us for details regarding this service. Please advise the number of individual wires & preferred wire gauge.

All specifications in this brochure subject to change without notice.



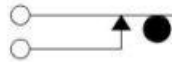
Available Switch Terminations

Switches may be terminated with standard integral 15 pin connector, single or double multi-conductor cable with or without connectors. Call factory for wire sizes, color codes, etc.

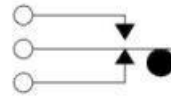
Series 5000 Push, Pull & Turn Switch



A



B



C