

SWITCH SOLUTIONS FOR BUILDING AND **HOME AUTOMATION APPLICATIONS**

Building and Home Automation

Performance, reliability, and durability are key requirements when it comes to keeping residential and commercial buildings safe, comfortable, and energy efficient. Home owners and building managers expect their HVAC, lighting, and safety & security systems to function reliably around the clock.

C&K products, with their reputation for high quality and long cycle life, are ideally suited for demanding applications in harsh environments. By working directly with customers, C&K provides application specific, custom solutions to our customer's most challenging requirements.



Safety and Security

- Smoke & carbon monoxide alarms
- Fire alarm systems
- Intrusion alarms & security systems
- Security cameras & controllers
- Building intercom systems
- Automatic gates and doors
- Elevator controls
- Nurse call systems





HVAC & Energy Management

- Furnaces & air handler units
- HVAC control boards
- Wall mounted heaters
- Programmable thermostats
- Air dampers & zone controls
- Tankless water heaters
- Energy meters, timers, & relays
- Circuit breakers
- Boiler controls
- Domotics controllers & keypads
- Solar inverters













Lighting

- Occupancy sensors
- Lighting controllers
- Timers & relays
- Programmable switches
- Shutter & blind controllers









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for Building and					Water of the					7	
Automation			Jin								
Applications		DIP /						Push-			
Products	•	Coded	Slide	Tact	Snap	Detect	Toggle	button /	Keylock	MPS	MPSR
		Rotary						Keyswitch			
	Smoke / CO Detectors	•	•	•		•		•			
	Intrusion Alarms	•		•		•		•	•	•	
	Building Access Controls	•		•	•		•	•	•	•	•
	Automatic Gates	•		•	•			•			•
	Video Security	•		•		•			•		
	Elevator Controls	•		•	•		•	•	•		
© 10:5 10 10 10 10 10 10 10 10 10 10 10 10 10	Programmable Thermostats	•	•	•		•					
	HVAC Control Boards	•	•	•				•			
	HVAC Air Dampers	•			•						
888	Furnace, Boiler, Aircon Systems			•	•			•			
620	Wall Heaters	•	•	•	•			•			
	Tankless Water Heaters	•		•	•			•			
	HVAC Zone Controls	•	•	•							
	Lighting Controllers		•	•				•			
	Occupancy Sensors	•	•	•		•					
8.0	Shutter & Blind Controllers	•		•	•	•					
	Circuit Breakers	•		•	•	•		•			
	Energy Meters			•		•		•			
	Nurse Call Systems	•		•				•	•		



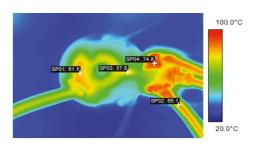
Designing Technology into Solutions

	Application	Function	Switches		
		Test & reset buttons	Tact, Slide, Detect		
	Smoke alarm	Node / network address identification	DIP, Detect		
	Carbon monoxide alarm	Test & reset buttons	Tact, Pushbutton		
		Test button, sensitivity settings	Tact, DIP, Rotary DIP		
	Glass break detector	Node / network address identification	Rotary DIP		
	Shock sensor (ATM's)	Mode select (safe / vault / ATM)	DIP		
		Node / network address identification	DIP		
	Fire / intrusion alarm (relay module)	Cover tamper switch	Tact, Detect		
	Fire alarm / zone expansion module	Node / network address identification	DIP, Switchlock		
	Fire alarm / communicator module	Mode switch, cover tamper switch	Tact		
	Fire alarm pull switch	Pull switch position	Toggle, Snap		
	Door intercom systems	Intercom call buttons	Tact or pushbutton		
-		Configuration switch	DIP		
€1	Door / telephone entry systems	Master code program switch	Toggle		
Security	Fire doors / automatic doors	Door latch / strike position	Snap		
Se	Gate openers	Code entry / open & close buttons	Pushbutton		
	Gate openers / card access module	Master code program / reset switch	Tact		
Safety &		Gate operation settings	DIP		
afe	Lift gate controllers	Manual gate cycle button	Tact		
S	Sliding gate openers	Gate open / closed limit switches	Snap		
	Commercial garage door openers	Door position remote controls	Snap, DIP		
	Nurse call systems (hospital)	Call / cancel switch, corner light / room ID	Tact, DIP, Pushbutton		
	0 1 (077)	Camera node / network ID	DIP, Switchlock		
	Security cameras (PTZ)	Camera settings (baud rate, protocol)	DIP		
	IR security cameras	IR light level settings	DIP		
	Highway / road / traffic cameras	Menu navigation switches	Tact		
	DVR, security cameras	Function buttons, navigation switch	Tact, Navigation		
	Joystick controller, security camera	Function / navigation buttons	Tact, Navigation		
		Floor selection	Tact or Pushbutton		
	Florestore	Maintenance / fire lockout	Switchlock		
	Elevators	Main control board, top of car (TOC) controller	Toggle, Rotary DIP, Tact		
		Door open / closed limit switch	Snap		
	Furnace / aircon control boards	Fan settings, gas ignition settings, fault recall	DIP, Tact		
-	Programmable thermostats	Temperature up / down settings, reset button	Tact		
	Frogrammable mermostats	On / off, gas / electric heat select, fan speed	Slide		
	Air handler / VAV units	Controller settings	DIP, Rotary DIP		
Q	Terminal unit / air dampers	Damper position, damper settings	Snap, Rotary DIP		
HVAC	Furnace / Air handler units	Blower / fan door safety switch	Snap		
	Wall heater (condensing boilers)	On / off button, temperature select	Slide, Tact, Keyswitch		
	wan ricator (condensing bolicis)	Control board / heater settings	DIP, Rotary DIP, Keyswitch		
	Tankless water heaters	Programming keys, heater settings	Tact, DIP, Keyswitch		
	Lighting timers, switches	On / off switch, programming buttons	Slide, Tact		
	Shutter & blind controllers	Auto / manual select, open / close buttons	Slide, Tact		
	Occupancy sensors	Day / night selection, sensativity settings	Slide, DIP		
_ighting	Lighting timers, switches	On / off switch, programming buttons	Slide, Tact		
ht	Shutter, shade, & blind motors	Position switch	Snap		
Lig	Shutter & blind controllers	Auto / manual select, open / close buttons	Slide, Tact		
	Chatter & Dillia Controllers	Receiver unit settings, node address ID	Tact, DIP		

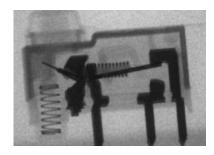


Engineering Technology into Solutions

Solutions to the challenges facing the Industrial market space require collaboration between customer and supplier. To provide local engineer-to-engineer communication and support, C&K has design centers located in Boston, MA (USA), Dole France, and Huizhou China. In order to develop robust product designs and expedite time to market, C&K leverages design and analysis tools such as solid modeling CAD systems, FEA and dynamic motion software, mold flow analysis, 3D printing & SLA, X-ray, SEM/FTIR, thermal imaging, force testing, and sound analysis chambers.



Molding rheology simulation



Dynamic x-ray analysis

Manufacturing Technology into Solutions

C&K has been providing innovative solutions to our customers for over 50 years, using our extensive industry and applications knowledge and the latest development and manufacturing techniques to solve the most difficult design challenges and provide customer and application specific solutions. Our manufacturing locations are ISO 9001 and TS16949 certified. To ensure quality, reliability, and long cycle life, as well as meet design to cost objectives, C&K maintains internal control of key manufacturing processes such as stamping, precision molding, plating, and high speed automatic assembly.



Precision stamping and over molding tools designed and built by C&K



High speed and high precision milling machine for tools and machine building



High speed switch assembly machine designed and built by C&K



Customized in-house testing capability



Sales Support



Please visit www.ckswitches.com to view C&K's full product offering and list of partners and distributors.

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