



PRODUCT CATALOG

WE BELIEVE EVERYONE HAS THE RIGHT TO BE SAFE AT WORK
ENERGY | INDUSTRY | MANUFACTURING | TRANSPORTATION



KIRK KEY INT

EVERYONE HAS THE RIGHT TO BE **SAFE** AT WORK

KIRK® believes that everyone has the right to be safe at work! To ensure safety, the risk of hazardous energy and or equipment needs to be controlled. Our trapped key interlock safety systems and safety components provide our customers with solutions to control these risks.

The demand for safety systems with integrated technology comes from all industrial environments and KIRK® is embracing this movement. Integrated technology safety systems provide vital information and enable real time decisions to be implemented for improving safety and efficiencies across businesses.

We educate our customers, design firms, and OEMs on the benefits of our safety systems. We work with industrial and safety associations to standardize the use of these systems to ensure that everyone has the right to be safe at work!

We manufacture more than 70,000 safety components each year for use in a wide range of industries, guaranteeing a sequential pattern of safe operations for isolating energy and safely accessing hazardous areas. KIRK® safety products are designed and configured to each user's requirements, providing protection from each application and peace of mind for our customers.



ERLOCK



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Visit www.kirkkey.com to see the latest products and options from Kirk Key Interlock.

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MARKETS



ENERGY

The demand for cleaner, more efficient energy generation methods has resulted in changes to both the sources of generation and stricter guidelines in safety regulations. KIRK® is experienced in servicing the energy industry with quality products, knowledgeable team members, and reliable safety systems to ensure the safety of personnel and equipment. KIRK® can respond to the changing needs of the industry with customized products to help our energy customers with a best-fit safety solution.



INDUSTRY

Process and risk control is a high-level focus for factories, mining quarries, and production plants. KIRK® trapped key interlock systems help control risk and guard against entry into areas where hazardous energy is present and machine guarding is a necessity. A defined sequence of operations with KIRK® interlock systems ensures a sequential safety process is followed every time, protecting equipment and saving lives.



MANUFACTURING

Manufacturing facilities need to be flexible, maintain inventory, and produce product at increased rates to ensure maximized production runs. This fast paced and highly automated environment introduces hazards for both personnel and equipment. KIRK® trapped key interlock systems help control risk and provide guarded access into any area where hazardous energy is present and/or machine guarding is a necessity for ensuring safety.



TRANSPORTATION

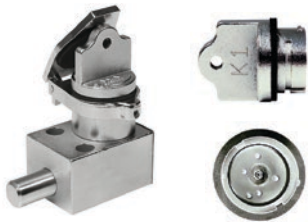
Increased technology and automated equipment introduce hazardous risks within warehousing and distribution centers. Palletizers, conveyors, and packaging equipment are zones that KIRK® trapped key interlock systems help to control risk and provided guarded access. Salvo™ safety systems installed at loading docks ensure a sequential safety process is followed during loading/unloading and prevents drive aways; eliminating human error.



SERIES COMPARISON GUIDE



SD SERIES - The SD Series trapped key safety interlocks feature the traditional keyed brass interlock design. It is comprised of a brass interlock housing and a 303 stainless steel lock bolt. The keys are a 7-pin nickel-silver key and brass tumbler lock cylinder. The SD Series is best suited for indoor applications and moderate industrial environments and temperatures.



HD SERIES - The HD Series is made entirely of electropolished 316 stainless steel and offers high performance standards in high temperature and/or corrosive environments. HD Series trapped key safety interlocks feature a robust key with a dowel pin design making them the ideal choice for applications that require continuous operation in harsh industrial environments.

	SD SERIES	HD SERIES
INTERLOCK COMPONENTS		
Interlock Housing	Brass	Electropolished 316 SS
Lock Bolt	303 SS	Electropolished 316 SS
Key	Nickel-Silver	Electropolished 316 SS
Cylinder Housing	Brass	Electropolished 316 SS
Inner Turn Shaft	Brass	Electropolished 316 SS
Flip Open Dust Cover	304 SS	316 SS
Key Style	7-Pin Tumbler	Dowel Pin
TYPICAL APPLICATIONS		
Electrostatic Precipitator	✓	✓
Switchgear	✓	✓
Ports - Shore Power		✓
Perimeter Guarding	✓	✓
Uninterruptable Power	✓	
Lockout Tagout	✓	
TEMPERATURE RATINGS	-65F to +250F	-65 to +700F

NOTE: Not all interlocks are available in both series.

DESIGNING AN INTERLOCKING SYSTEM

KIRK® has the necessary tools to determine a safety interlock system that meets your specific needs with a quick process.

1

IDENTIFY YOUR HAZARDS - what equipment or areas are hazardous and need to be isolated?

2

RISK ASSESSMENT - can the hazards be avoided and what could the severity of injuries be if hazards cannot be avoided?

3

EVALUATE THE PROCESS- define the flow of operations; identify all *full body* or *partial body* access points.

4

DESIGN YOUR SYSTEM- based on your process evaluation, determine the type of task being performed within your process.



CODING A SAFETY INTERLOCK SYSTEM

The coding of the Interlock system ensures the integrity and safety of the system. KIRK® maintains a history of interlock systems coding for our customers and their end users dating back to the 1940's. Our records along with the vast combinations of key codes further mitigates risk by ensuring that coding duplication will not occur at a single location or across multiple locations.

NON SIS SIS MIS PER PER

Increasing technologies as well as the need for real-time information regarding business efficiencies is creating a necessity for controlled permissions to ensure the protection of employees, equipment, and data.

Role-based permissions is an approach to ensure that authorization is only granted to individuals who are responsible for specific tasks, processes, or data. Integrating smart technology and online or cloud based databases with key interlock safety systems allow management to monitor activities as often as necessary. As the requirements of the business or the responsibilities of the individual change, immediate adjustments to the permissions can be made through interfaces on the web, smart phones, and other mobile devices.





Smart Key Manager

The Smart Key Manager allows you to know in real time your key movements and improve fast and efficient traceability of keys in a secure environment. You can manage all keys, reducing the risk and controlling entry into restricted areas. The movement of a key is registered and real time data is available through a web interface. Administrators can monitor the status of the system or modify the database through a smartphone, tablet or computer.

Implementing a Smart Key Manager with a trapped key interlock system protects assets, personnel, and potentially the reputation of a business, should there be a major disaster.

The Smart Key Manager ensures that only trained and authorized personnel can begin hazardous processes such as switching on/off, cable disconnections within switchgear control rooms, IT data centers, industrial control centers, utilities, and more.

The Smart Key Manager retains the primary trapped key that initiates the safety sequence and process. This key can only be released by using an RFID card issued to individuals who are authorized for that specific process. Furthermore, a Smart Key Manager tracks the use of the key, when the process was initiated, how long the key was in use, and reports operational history. Combined with alarms and notices that alert senior engineers and managers when keys have been released or have been in use for too long, the Smart Key Managers enables businesses to have greater control over their processes and permissions.

ORDER INFORMATION

Contact a KIRK® inside sales team member at sales@kirkkey.com to discuss your specific application needs. Provide the KIRK® team with a detailed schematic of your application to ensure the controlled access permission(s) is/are designed to your unique safety process.

ISOLATION

The isolation of hazardous energy is critical when performing maintenance on equipment and is the key to ensuring everyone is safe at work. KIRK® bolt interlocks and auxiliary switches offer the level of protection needed to begin procedures safely and eliminate human error.

KIRK® bolt interlocks mounted directly on equipment act as a physical barrier to electrical switches and power buttons, ensuring the state of power cannot be mistakenly changed. Most commonly found in electrical switchgear and machine guarding applications, the bolt interlock ensures that once the equipment is switched into the desired position indicated by the end user, the bolt is extended, and key removed, blocking the switch from changing state until the procedure is reversed.

Auxiliary switches added to the bolt interlocks or working independently will also aid in power isolation. Solenoid switches and solenoid key release units can be directly wired into your control power or PLC systems indicating the state of use and ensuring power isolation is complete.



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MECHANICAL

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DELAY

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FLUID

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MAIN TIE MAIN – SCHEME 13

PURPOSE: To prevent paralleling of lines A and B.
Two loads, fed from either source.

INITIAL SYSTEM STATUS: (As seen in diagram) Breaker A is closed to supply load M. Breaker B is closed to supply load N. Tie-breaker C is locked open. Keys A-1 are trapped in interlocks on both breakers A and B. Tie-breaker C cannot be closed unless either A or B is locked open.

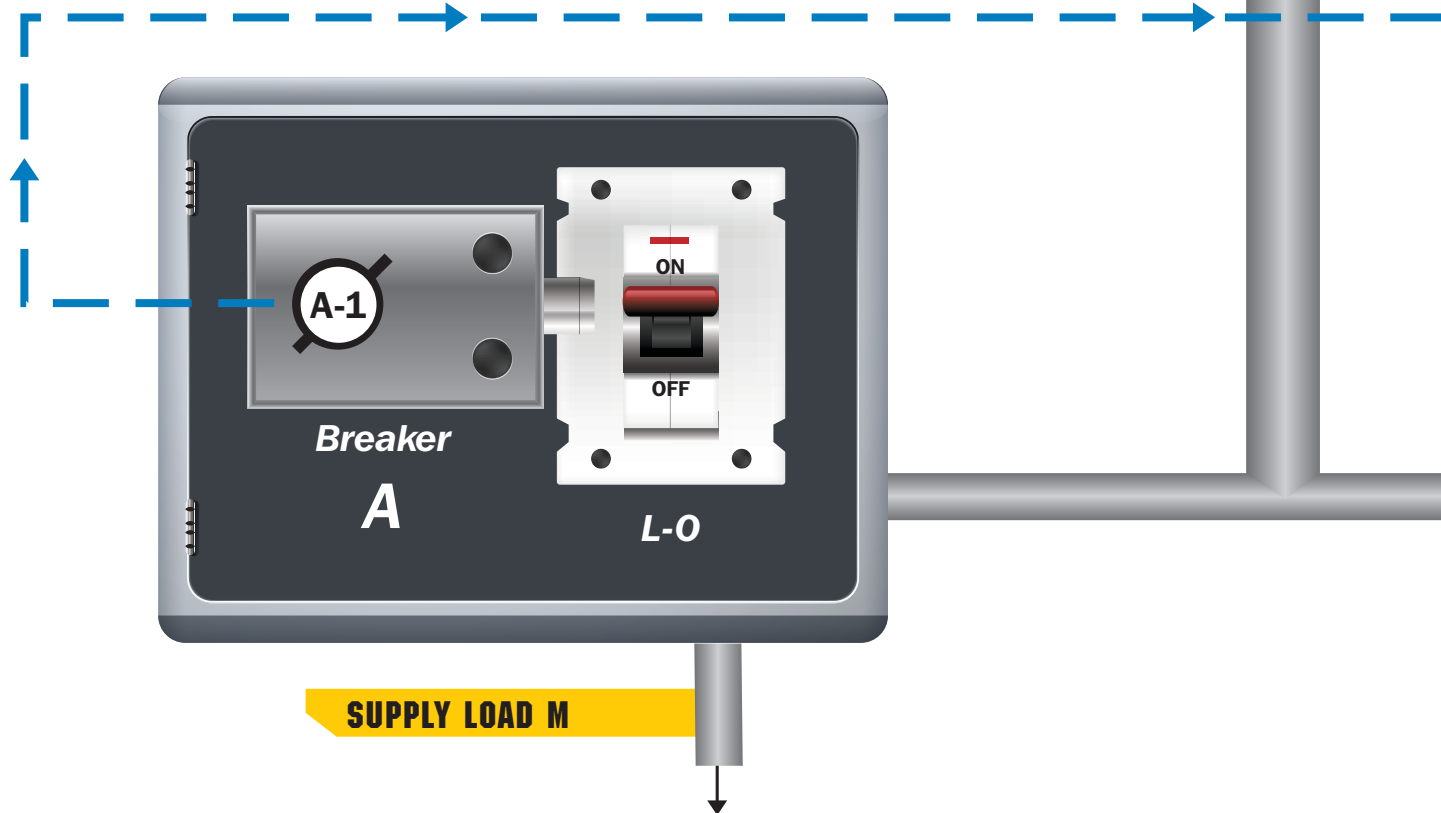
SYSTEM OPERATION: To transfer load N to breaker A

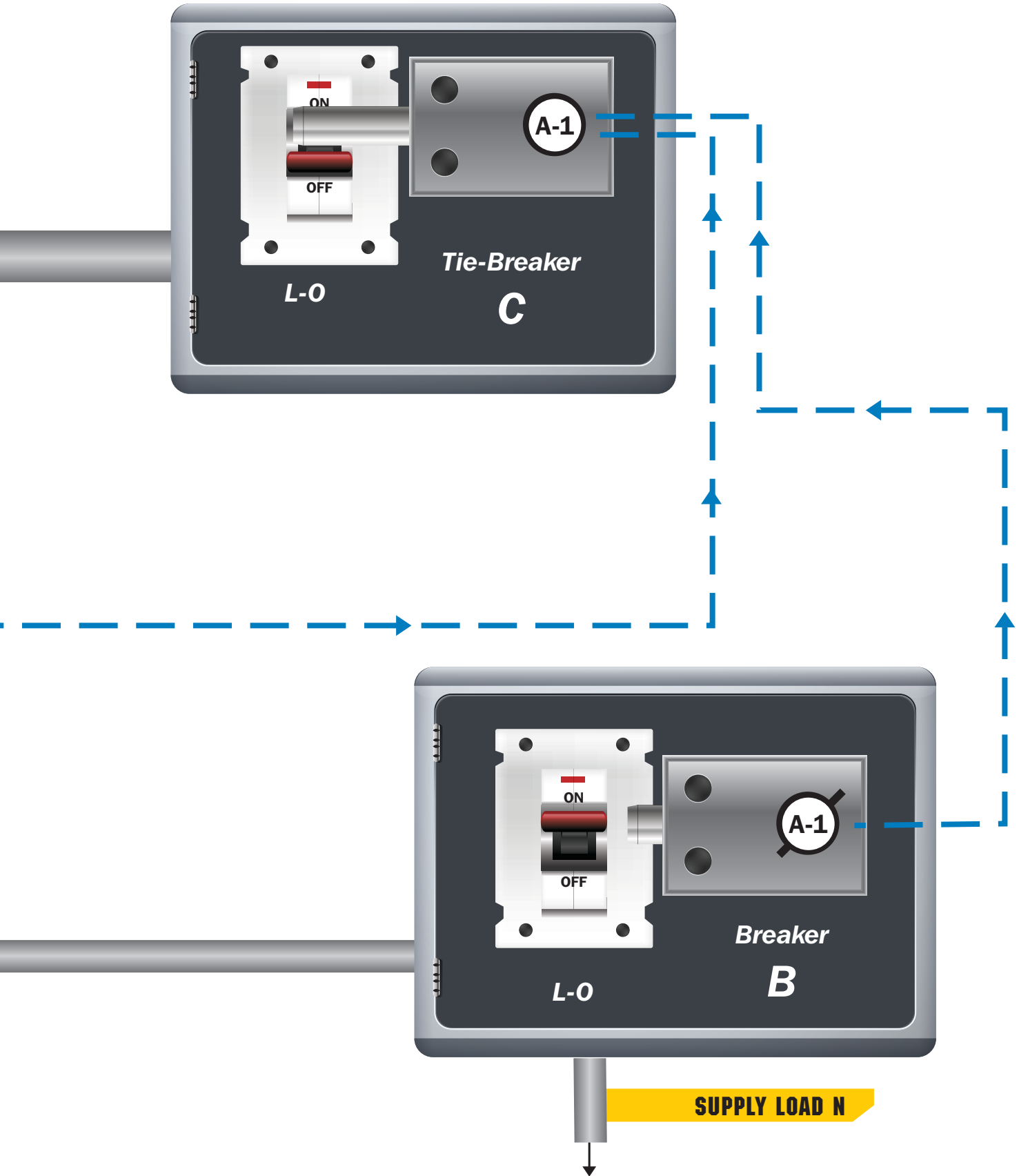
1. Open breaker B
2. Turn key A-1 in interlock on breaker B to lock open. Key A-1 is now free.
3. Insert key A-1 in interlock on tie-breaker C and turn to unlock. Key A-1 is now trapped.
4. Close tie-breaker C.

Reverse sequence to restore service. Load M can be supplied through breaker B in a similar manner.

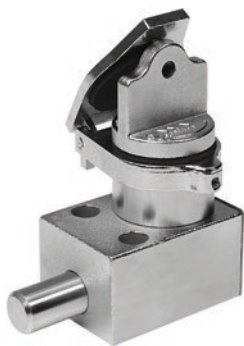
L-O = Locked Open. L-C = Locked Closed.

The scheme illustrated, represents basic guidelines and products regarding the proper interlock sequence for a main tie main application. The equipment that comprises a main tie main application can vary depending upon the manufacturer and age of the equipment. Let us know your specific needs and we will help customize a solution for your application.





MECHANICAL



Type F - Flat Mounted

The Type F interlock is generally flat or face mounted with mounting bolts through the front of the housing. The locking bolt is 5/8" diameter stainless steel with a throw, or travel, of 3/4". Many switch, transformer rectifier, and level detector manufacturers offer provisions for mounting Type F interlocks.

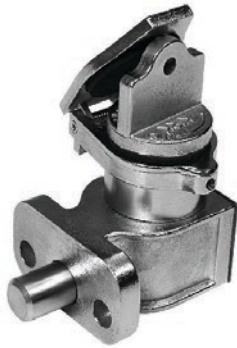
The Type F interlock is available in both SD and HD series.

ORDER INFORMATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Part number		F	L											-	
-------------	--	---	---	--	--	--	--	--	--	--	--	--	--	---	--

1	Series	K = SD Series (brass)						S = HD Series (stainless)					
4	Auxiliary Switch	0 = none		4 = SS		A = 2 N/O 1 N/C		Multi-cylinder HD series standard switch options are only available with 1 - 'E' sequence configuration. For other configurations, please consult our sales team.					
		1 = K DP/DT		5 = SSS		B = 4 N/O 2 N/C							
		3 = S		6 = SSSS									
5, 6, 7	Bolt Projection (in withdrawn position) Maximum bolt projection for both series is 7"	Bolt projection for both series											
		0	0	0	0", 0 mm			1	0	0	1", 25.4 mm		
		0	2	5	1/4", 6.4 mm			1	2	5	1-1/4", 31.7 mm		
		0	3	7	3/8", 9.5 mm			1	3	7	1-3/8", 34.9 mm		
		0	5	0	1/2", 12.7 mm			1	5	0	1-1/2", 38.1 mm		
		0	6	2	5/8", 15.8 mm			2	0	0	2", 50.8 mm		
		0	7	5	3/4", 19.1 mm			3	0	0	3", 76.2 mm		
8, 9	Cylinder(s)	SD Series - max cylinders 15						HD Series - max cylinders 7					
		1	0	= E 1 CYL			NOTE: Use numbering logic for up to 9 cylinders	1	0	= E 1 CYL			NOTE: Use numbering logic for up to 7 cylinders
		1	1	= W 1 CYL				1	1	= W 1 CYL			
		2	0	= EE 2 CYL				2	0	= EE 2 CYL			
		2	1	= EW 2 CYL				2	1	= WE 2 CYL			
		3	0	= EEE 3 CYL			3	0	= EEE 3 CYL				
		3	1	= EEW 3 CYL			3	1	= WEE 3 CYL				
		3	2	= EWW 3 CYL			3	2	= WWE 3 CYL				
		A	0	10 CYL			NOTE: Use alpha logic for 10-15 cylinders	HD series, 4 - 7 cylinders require longer lead times. Please consult our sales team.					
		B	0	11 CYL									
C	0	12 CYL											
10	Stamp Key Interchange	-- = No S = Yes						Stamp Key interchange only available for HD series when protective Flip Open Cover is added					
11	Opposite Hand	-- = No H = Opposite Hand						Opposite hand not available for HD Series					
12	Protective Covers see protective covers data sheet	-- = No C = Push On F = Flip Open						-- = No F = Flip Open with LOTO provision					
13	Mounting Bolts see mounting bolt data sheet	-- = No M = Hex T = Tamperproof											
15	Reverse	R = Reverse switch housing relationship											



Type B - Base Mounted

The Type B interlock is commonly base or flange mounted and the locking bolt is 5/8" diameter stainless steel. The throw, or travel, of the locking bolt is 3/4". Many switch, transformer rectifier, and level detector manufacturers offer provisions for mounting Type B interlocks.

The Type B interlock is available in both SD and HD series.

ORDER INFORMATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Part number

	B	L												-	
--	---	---	--	--	--	--	--	--	--	--	--	--	--	---	--

1	Series	K = SD Series (brass)			S = HD Series (stainless)				
4	Auxiliary Switch	0 = none 1 = K DP/DT 3 = S	4 = SS 5 = SSS 6 = SSSS	A = 2 N/O 1 N/C B = 4 N/O 2 N/C	Multi-cylinder HD series standard switch options are only available with 1 - 'E' sequence configuration. For other configurations, please consult our sales team.				
5, 6, 7	Bolt Projection (in withdrawn position) Maximum bolt projection for both series is 7"	Bolt projection for both series							
		0	0	0	0", 0 mm	1	0	0	1", 25.4 mm
		0	2	5	1/4", 6.4 mm	1	2	5	1-1/4", 31.7 mm
		0	3	7	3/8", 9.5 mm	1	3	7	1-3/8", 34.9 mm
		0	5	0	1/2", 12.7 mm	1	5	0	1-1/2", 38.1 mm
		0	6	2	5/8", 15.8 mm	2	0	0	2", 50.8 mm
		0	7	5	3/4", 19.1 mm	3	0	0	3", 76.2 mm
8, 9	Cylinder(s)	SD Series - max cylinders 7			HD Series - max cylinders 7			NOTE: Use numbering logic for up to 7 cylinders	
		1	0	= E 1 CYL	1	0	= E 1 CYL		
		1	1	= W 1 CYL	1	1	= W 1 CYL		
		2	0	= EE 2 CYL	2	0	= EE 2 CYL		
		2	1	= EW 2 CYL	2	1	= WE 2 CYL		
		3	0	= EEE 3 CYL	3	0	= EEE 3 CYL		
		3	1	= EEW 3 CYL	3	1	= WEE 3 CYL		
		3	2	= EWW 3 CYL	3	2	= WWE 3 CYL		
10	Stamp Key Interchange	-- = No S = Yes			Stamp Key interchange only available for HD series when protective Flip Open Cover is added				
11	Opposite Hand	-- = No H = Opposite Hand			Opposite hand not available for HD Series				
12	Protective Covers see protective covers data sheet	-- = No C = Push On F = Flip Open			-- = No F = Flip Open with LOTO provision				
13	Mounting Bolts see mounting bolt data sheet	-- = No M = Hex T = Tamperproof							
15	Reverse	R = Reverse switch housing relationship							

MECHANICAL



Type FN

The Type FN interlock was designed for smaller spaces as the housing is narrower than the Type F interlock. The Type FN is mounted by means of 1/4"-20 tapped holes in the end of the housing. The locking bolt is made of 5/8" diameter stainless steel. The throw, or travel, of the locking bolt is 3/4".

The Type FN interlock is available in both SD and HD series.

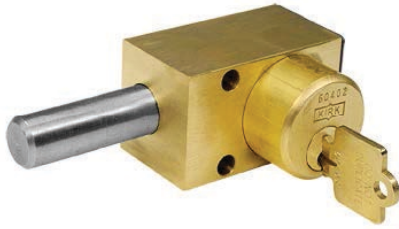
ORDER INFORMATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Part number

	F	N												
--	---	---	--	--	--	--	--	--	--	--	--	--	--	--

1	Series	K = SD Series (brass)						S = HD Series (stainless)					
4	Auxiliary Switch	0 = none A = 2 N/O 1 N/C			Only available for single cylinder			Auxiliary switch option not available for HD series					
5, 6, 7	Bolt Projection (in withdrawn position) Maximum bolt projection for both series is 7"	Bolt projection for both series											
		0	0	0	0", 0 mm			1	0	0	1", 25.4 mm		
		0	2	5	1/4", 6.4 mm			1	2	5	1-1/4", 31.7 mm		
		0	3	7	3/8", 9.5 mm			1	3	7	1-3/8", 34.9 mm		
		0	5	0	1/2", 12.7 mm			1	5	0	1-1/2", 38.1 mm		
		0	6	2	5/8", 15.8 mm			2	0	0	2", 50.8 mm		
		0	7	5	3/4", 19.1 mm			3	0	0	3", 76.2 mm		
8, 9	Cylinder(s) Multiple cylinders require longer lead times. Please consult our sales team.	SD Series - max cylinders 3						HD Series - max cylinders 3					
		1	0	= E 1 CYL			1	0	= E 1 CYL				
		1	1	= W 1 CYL			1	1	= W 1 CYL				
		2	0	= EE 2 CYL			2	0	= EE 2 CYL				
		2	1	= EW 2 CYL			2	1	= WE 2 CYL				
		3	0	= EEE 3 CYL			3	0	= EEE 3 CYL				
		3	1	= EEW 3 CYL			3	1	= WEE 3 CYL				
3	2	= EWW 3 CYL			3	2	= WWE 3 CYL						
10	Stamp Key Interchange	- = No S = Yes						Stamp Key interchange only available for HD series when protective Flip Open Cover is added					
11	Opposite Hand	- = No H = Opposite Hand						Opposite hand not available for HD Series					
12	Protective Covers see protective covers data sheet	- = No C = Push On F = Flip Open						- = No F = Flip Open with LOTO provision					
13	Mounting Bolts see mounting bolt data sheet	- = No M = Hex T = Tamperproof											
14	Adapter Plate	- = No P = Adapter Plate						see adapter plate data sheet for more information					



Type NT

The Type NT interlock was designed for smaller spaces as the housing is narrower than the Type F interlock. The Type NT is face mounted by means of 1/4" bolts through the front of the housing. The locking bolt is made of 5/8" diameter stainless steel. The throw, or travel, of the locking bolt is 3/4".

The Type NT interlock is available in SD series only.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9	10	11	12	13
Part number	K	N	T	0									

1	Series	K = SD Series (brass)												
5, 6, 7	Bolt Projection (in withdrawn position) Maximum bolt projection for both series is 7"	0	0	0	0", 0 mm						1	0	0	1", 25.4 mm
		0	2	5	1/4", 6.4 mm						1	2	5	1-1/4", 31.7 mm
		0	3	7	3/8", 9.5 mm						1	3	7	1-3/8", 34.9 mm
		0	5	0	1/2", 12.7 mm						1	5	0	1-1/2", 38.1 mm
		0	6	2	5/8", 15.8 mm						2	0	0	2", 50.8 mm
		0	7	5	3/4", 19.1 mm						3	0	0	3", 76.2 mm
8, 9	Cylinder(s)	SD Series - max cylinders 2												
		1	0	= E 1 CYL										
		1	1	= W 1 CYL										
		2	0	= EE 2 CYL										
		2	1	= EW 2 CYL										
10	Stamp Key Interchange	- = No S = Yes												
11	Opposite Hand	- = No H = Opposite Hand												
12	Protective Covers see protective covers data sheet	- = No C = Push On F = Flip Open												
13	Mounting Bolts see mounting bolt data sheet	- = No M = Hex T = Tamperproof												

MECHANICAL



Type U

The Type U interlock was designed for smaller spaces as the housing is narrower than the Type F interlock. The Type U is mounted from the side of the lock body by means of 3/8" bolts or panel mounted with 10-32 bolts from the bottom of the lock body. The locking bolt is made of 5/8" diameter stainless steel. The throw, or travel, of the locking bolt is 3/4".

The Type U interlock is available in both SD and HD series.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9	10	11	12	13
Part number		U	L	0									

1	Series	K = SD Series (brass)				S = HD Series (stainless)				
5, 6, 7	Bolt Projection (in withdrawn position) Maximum bolt projection for both series is 7"	Bolt projection for both series								
		0	0	0	0", 0 mm		1	0	0	1", 25.4 mm
		0	2	5	1/4", 6.4 mm		1	2	5	1-1/4", 31.7 mm
		0	3	7	3/8", 9.5 mm		1	3	7	1-3/8", 34.9 mm
		0	5	0	1/2", 12.7 mm		1	5	0	1-1/2", 38.1 mm
		0	6	2	5/8", 15.8 mm		2	0	0	2", 50.8 mm
		0	7	5	3/4", 19.1 mm		3	0	0	3", 76.2 mm
8, 9	Cylinder(s)	SD Series - max cylinders 1				HD Series - max cylinders 1				
		1	0	= E 1 CYL		1	0	= E 1 CYL		
		1	1	= W 1 CYL		1	1	= W 1 CYL		
10	Stamp Key Interchange	- = No S = Yes				Stamp Key interchange only available for HD series when protective Flip Open Cover is added				
11	Opposite Hand	- = No H = Opposite Hand				Opposite hand not available for HD Series				
12	Protective Covers see protective covers data sheet	- = No C = Push On F = Flip Open				- = No F = Flip Open with LOTO provision				
13	Mounting Bolts see mounting bolt data sheet	- = No M = Hex T = Tamperproof								



Type FF

The Type FF interlock was designed for smaller spaces and is our smallest bolt interlock. The Type FF is face mounted with bolts from the front of the housing. The locking bolt is made of 1/2" diameter stainless steel. The throw, or travel, of the locking bolt is 3/4".

The Type FF interlock is available in SD series only.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9	10	11	12	13
Part number	K	F	F	-							-	-	

1	Series	K = SD Series (brass)												
5, 6, 7	Bolt Projection (in withdrawn position) Maximum bolt projection for both series is 3"	0	0	0	0", 0 mm						1	0	0	1", 25.4 mm
		0	2	5	1/4", 6.4 mm						1	2	5	1-1/4", 31.7 mm
		0	3	7	3/8", 9.5 mm						1	3	7	1-3/8", 34.9 mm
		0	5	0	1/2", 12.7 mm						1	5	0	1-1/2", 38.1 mm
		0	6	2	5/8", 15.8 mm						2	0	0	2", 50.8 mm
		0	7	5	3/4", 19.1 mm						3	0	0	3", 76.2 mm
8, 9	Cylinder(s)	SD Series - max cylinder 1												
		1	0	= E 1 CYL										
		1	1	= W 1 CYL										
10	Stamp Key Interchange	- = No S = Yes Maximum 1 character stamp key interchange due to smaller footprint												
13	Mounting Bolts see mounting bolt data sheet	- = No M = Hex												

MECHANICAL



Type KC40

The Type KC40 is a threaded cylinder interlock that engages directly with the linkage of equipment to isolate power. The key is trapped or released according to the position of the cam. The KC40 is manufactured with no housing and is meant to be installed with provisions or bracketry supplied by the OEM. Each KC40 is supplied with two lock nuts for mounting.

The Type KC40 interlock is available in SD series only and is commonly referred to as a CN22.

ORDER INFORMATION

Part Number	1	2	3	4	5	6	7	8	9	10
	K	C	4	0	-	-	-	1	0	

10	Stamped Key Interchange	S = Yes
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Visit the product data sheets section of our website at www.kirkkey.com and reference SD data sheet 1.10



Type "C" Camlock

The Type "C" Camlock is a threaded cylinder interlock that engages directly with the linkage of equipment. It is manufactured to rotate clockwise to trap the key, however can be manufactured to turn counterclockwise. The Camlock is installed with provisions or bracketry supplied by the OEM.

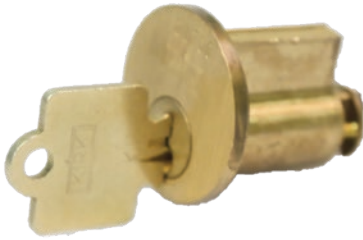
The Type "C" Camlock is available in SD series only.

ORDER INFORMATION

Part Number	1	2	3	4	5	6	7	8	9	10
	K	C	A	M	0	0	0	1	0	

10	Stamped Key Interchange	S = Yes
----	-------------------------	---------

Visit the product data sheets section of our website at www.kirkkey.com and reference SD data sheet 1.15



Type C900-301

The Type C900-301 is a compact cylinder interlock that engages directly with the linkage of equipment. It is manufactured to rotate clockwise to trap the key, however can be manufactured to turn counterclockwise. The C900-301 is installed with provisions or bracketry supplied by the OEM. The interlock is designed to be ambiguous in its ability to attach to a range of cams or levers due to variations in breaker design options.

The Type C900-301 is available in SD series only.

ORDER INFORMATION

	1	2	3	4	5	6	7	8
Part Number	C	9	0	0	-	3	0	1

Please specify stamp key interchange if needed.

MECHANICAL



SA1/SA2



SA3

Type SA1/SA2 and SA3

The Type SA1, SA2, and SA3 switchgear adapter interlocks have a 3/8" (9.5mm) square, 7/8" (22mm) long shaft that is controlled by the robust HD Series key. The SA1/SA2 interlocks have a mounting flange that will accept two 1/4" (7mm) mounting bolts. The SA3 is attached to the interlock provisions by way of (4) 10-32 tapped holes in the bottom of the lock cylinder. Type SA1, SA2, and SA3 interlocks can be ordered with the shaft rotating clockwise or counterclockwise. Multiple degrees of rotation are available also.

The Type SA1, SA2, and SA3 are available in HD series only.

ORDER INFORMATION

Part Number	1	2	3	4	5	6	7	8	9	10
	S	S	A							

4	Style	1 = SA1 2 = SA2 3 = SA3
5	Rotation to Trap Key	1 = Clockwise 2 = Counterclockwise
6	Degrees of Rotation	4 = 45 Degrees 6 = 65 Degrees 9 = 90 Degrees 1 = 120 Degrees
7	Shaft Section	1 = 9.5 mm Square X = Specify
8	Shaft Length	S = 22 mm (3/8") X = Specify
9	Protective Cover	- = No F = Protective Cover
10	Stamp Key Interchange	- = No S = Yes (Only available with flip cover)



WHAT OUR CUSTOMERS SAY

“Since 2003 Cavotec has helped the Ports in California by addressing the technical challenges for shore power connection to docking container ships. We at Cavotec appreciate the support Kirk Key provides to our Alternative Marine Power boxes, by increasing the safety of the electrical system with their mechanical interlock components.”

– Rob Thompson AMP Product Manager, Cavotec USA, Inc

AUXILIARY SWITCHES



Type PPS

The Type PPS Power Panel Switch is a key actuated, rotary, two-position switch designed for isolation or switching of control circuitry. The Type PPS can be panel mounted or surface mounted with optional enclosure. It is available in switch ratings of 20, 25, 40 or 63A. The switch is UL Listed and CSA approved.

The Type PPS is available in both SD and HD Series.

ORDER INFORMATION

Part Number	1	2	3	4	5	6	7	8	9	10	11	12	13
		P	P	S				1	0				

1	Series	K = SD Series S = HD Series	
5,6,7	Switch Rating and Contact Arrangement	20 Amp	2 2 A 2 NO/ 2 NC - 20A Rating
			4 0 A 4 NO - 20A Rating
		25 Amp	2 2 B 2 NO / 2 NC - 25A Rating
			4 0 B 4 NO - 25A Rating
		40 Amp	2 2 C 2 NO / 2 NC - 40A Rating
			4 0 C 4 NO - 40A Rating
63 Amp	4 0 D 4 NO - 63A Rating		
10	Stamp Key Interchange	- = No S = Yes (Only available for HD Series if Flip Cover is added)	
11	Protective Covers	- = No C = Push On F = Flip Open (Push On cover only available for SD series)	
12	Mounting Bolts	- = No M = Hex T = Tamperproof	
13	Style	- = Panel Mounted E = Enclosed	



Type S Switch

Type S auxiliary switches are slow-make, slow-break devices that respond directly to the movement of the lock bolt when the key is rotated. One, two, three or four sets of contacts are available.

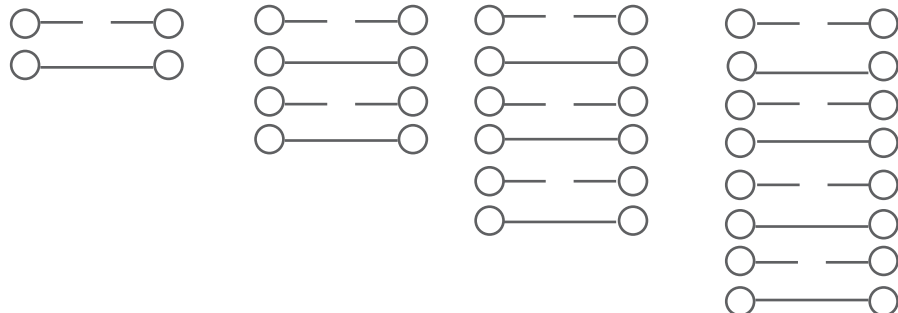
The Type S auxiliary switches can be furnished on the following interlocks: Type F, Type B, Type T, Type D.

ORDER INFORMATION

To order the S switch option, see the ordering guide for the specific type of interlock you are ordering and indicate the number “3” (S - 1 set of contacts), “4” (SS - 2 sets of contacts), “5” (SSS - 3 sets of contacts), or “6” (SSSS - 4 sets of contacts) in the appropriate column of the interlock part number.

Auxiliary switches cannot be field installed on existing KIRK® interlocks.

Type of Switch	Type S	Type SS	Type SSS	Type SSSS
Number of Circuits	2	4	6	8
Make Contacts	1	2	3	4
Break Contacts	1	2	3	4
Conduit Opening	3/4"	1"	1"	1"
Length of Switch Housing	3-1/2"	5-3/4"	8-1/4"	9-5/8"



AUXILIARY SWITCHES



Type K Switch (DP/DT)

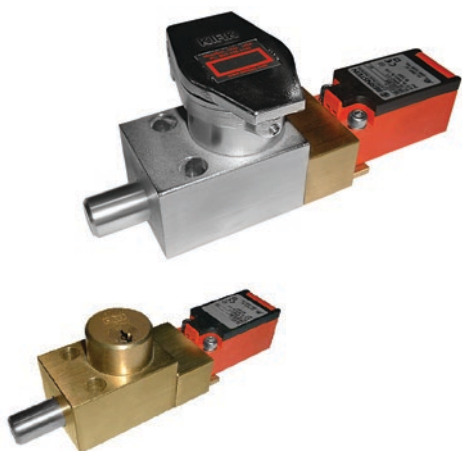
The Type K auxiliary switch is a quick-make, quick-break device capable of handling relatively large currents. The toggle switch responds to the movement of the lock bolt as it travels 3/4". The Type K is a DP/DT switch with ratings of 10A 250VAC/VDC or 15A 15VAC/VDC and is UL Listed and CSA approved.

The Type K auxiliary switch can be mounted on the following interlocks: Type F, Type B, Type T, Type D.

ORDER INFORMATION

To order the K switch option, see the ordering guide for the specific type of interlock you are ordering and indicate the switch option in the appropriate field.

Auxiliary switches cannot be field installed on existing KIRK® interlocks.



Thermoplastic Bodied Switch

Thermoplastic bodied electrical contacts offer the best protection against water ingress. Available in 2 N/O 1 N/C or 4 N/O 2 N/C contacts.

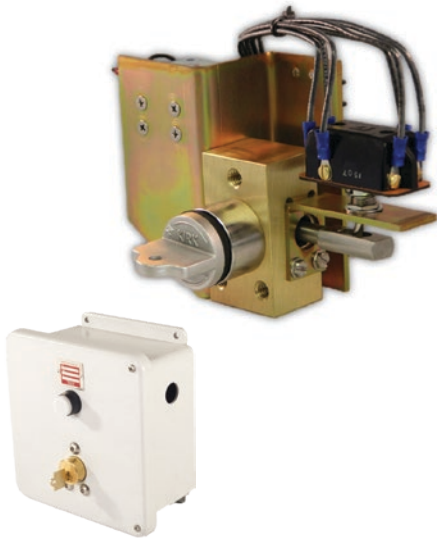
The Thermoplastic Bodies auxiliary switch can be mounted on the following interlocks: Type F, Type B, Type T, Type FN, Type D, Type DM.

ORDER INFORMATION

To order the Thermoplastic Bodied Switch option, see the ordering guide for the specific type of interlock you are ordering and indicate the letter “A” (2 N/O 1N/C) or “B” (4 N/O 2N/C) in the appropriate column of the interlock part number.

Auxiliary switches cannot be field installed on existing KIRK® interlocks.

SOLENOID



Type SKRU

The Type SKRU consists of an interlock, a solenoid, and an auxiliary switch. The solenoid is designed to permit removal of the interlock key in response to an external electric signal.

The Type SKRU is available in both the SD and HD series.

ORDER INFORMATION

Part Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		S	K	R	U										

0	Series	K = SD Series S = HD Series													
5	Style	1 = Unhoused 2 = Housed Front Mount 3 = Housed Back Mount 4 = Cover plate													
6	Solenoid Voltage	1 = 120VAC 2 = 24VDC 3 = 125VDC 4 = 48VDC 5 = 250VDC 6 = 240VAC 7 = 24VAC													
7 & 8	Key Removable	Solenoid Normal State	7	8	Number of Cylinders										
	Energized	De-Energized	E	-	1 CYL										
	De-Energized	Energized	D	-	1 CYL										
	Both Energized	De-Energized	E	E	2 CYL										
	Both De-Energized	Energized	D	D	2 CYL										
	Primary De-Energized Secondary Energized	De-Energized	D	E	2 CYL										
Primary Energized Secondary De-Energized	Energized	E	D	2 CYL											
9	LED Signal Light	- = No 1 = Yes													
10	Push Button	- = No 1 = Yes													
12	Stamp Key Interchange	- = No S = Yes													
13	Mounting Bolts	- = No M = Hex T = Tamperproof (Only available if unhoused)													
14	Protective Covers	- = No C = Push On F = Flip Open (Push On cover only available for SD series)													



Type SKPM

The SKPM is designed to permit removal of the interlock key in response to an electric signal. However, instead of utilizing a terminal block, the SKPM is arranged so that the customer's leads are wired directly to the solenoid and to the auxiliary switches. The SKPM is designed so that the key is removable only when the solenoid is energized.

The Type SKPM is available in both SD and HD series.

ORDER INFORMATION

Part Number	0	1	2	3	4	5	6	7	8	9	10
		S	K	P	M						

0	Series	K = SD Series S = HD Series
5	Solenoid Voltage	1 = 120 VAC 2 = 24VDC 3 = 125VDC 4 = 48VDC 5 = 250VDC 6 = 240VAC 7 = 24VAC
6	LED Signal Light	- = No 1 = Yes
7	Push Button	- = No 1 = Yes
8	Stamp Key Interchange	- = No S = Yes
9	Mounting Bolts	- = No M = Hex Bolts T = Tamperproof Bolts
10	Protective Covers	- = No C = Push On F = Flip Open (Push On cover only available for SD series)



Type TDKRU

TDKRU stands for Time Delay Key Release Unit, and protects against scenarios where hazardous energy needs time to neutralize. The TDKRU is comprised of two key interlocks, a timing device, a solenoid, and a signal light for indication.

The Type TDKRU is available in both SD and HD series.

ORDER INFORMATION

	0	1	2	3	4	5	6	7	8	9	10
Part Number		T	D	K	R	U					

0	Series	K = SD Series S = HD Series
6	Style	2 = Housed front mount 4 = With cover plate only
7	Solenoid Voltage	1 = 120VAC 2 = 24VDC 3 = 125VDC 4 = 48VDC
8	Time Delay	1 = 1-300 seconds 2 = 3-300 minutes
9	Stamp Key Interchange	- = No S = Yes
10	Protective Covers	- = No C = Push On F = Flip Open (Push On cover only available for SD series)



Type BEMF and MSI

The BEMF and the MSI units are designed to provide the highest level of safety when integrated into a trapped key interlock system for access control of dangerous machinery.

The BEMF measures the back electromotive force generated by the windings of an electric motor. Only when the motor has stopped and the electromotive force (EMF) drops to zero will the trapped key be released. The BEMF can detect electromotive force up to 600 volts.

The MSI relies on the detection of motion via two sensors. Only when both sensors detect zero movement will the trapped key be released. The MSI will protect machinery with 600 volts or higher.

The Type BEMF and MSI units are only available in HD series.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9	10	11	12
BEMF Part Number	B	E	M	F	-	K	H	D	-	F	-	

12	Voltage and Current Options	24D = 24 Volts DC 110A = 110 Volts AC 240A = 240 Volts AC
----	-----------------------------	--

	1	2	3	4	5	6	7	8	9	10	11
MSI Part Number	M	S	I	-	K	H	D	-	F	-	

11	Voltage and Current Options	24D = 24 Volts DC 110A = 110 Volts AC 240A = 240 Volts AC
----	-----------------------------	--



Type VL

The Type VL, Valve Lock, is available to fit ball valves from 1/4" up to 3". The Type VL is sold completely assembled with the valve and interlock ready for on site installation. Valves are available in brass and stainless steel.

The Type VL is only available in HD series.

ORDER INFORMATION

Contact a KIRK® inside sales team member at sales@kirkkey.com to discuss your specific application needs. Provide the KIRK® team with a detailed schematic of your application to ensure the valve interlock(s) is/are designed to your unique safety process.

	1	2	3	4	5	6	7	8	9	10	11	12
Part number	V	L	S	-			-					

1,2	Type of Lock	VL = Valve Lock			
3	Series	S = Stainless			
5	Cylinders	1 = 1 cylinder		2 = 2 cylinders	
6,	Key Removable Position Standard operation is key removable lock closed	C = Closed		O = Open	
		'C' or 'O' designation applies to cylinder 1 on the dual cylinder valve lock. See diagram for details.			
8, 9, 10	Valve Sizes Available 0.25", 0.375", 0.50", 0.75", 1.00", 1.25", 1.50", 2.00", 2.50", 3.00", 4.00"	025		037	
		100		125	
		200		250	
		300		400	
11	Stamp Key Interchange	- = No S = Yes		Stamp Key interchange only available when protective Flip Open Cover is added	
12	Protective Covers see protective covers data sheet	- = No		F = Flip Open with LOTO provisionw	



WHAT OUR CUSTOMERS SAY

“I would like to thank you for all your support with the Kirk Key trapped key interlocks and introducing us to the wide variety of models. We have now adapted many of these to our very broad market base. From hospitals and data centers to oilfield production and entertainment venues, they have allowed us to develop very economical and safe emergency power systems. Your team’s product knowledge, and openness to new ideas and applications, has been an invaluable asset and tool for our success. Safety is the future and you have the products and people that will continue to set the standard. Thanks again and we appreciate your dedicated support.”

- Kent McLemore Director Marketing and Development
and Partner, Power Temp Systems Inc.

KEY TRANSFER UNITS

Maintenance procedures may require access into multiple areas once hazardous energy has been isolated. KIRK® key transfer exchange units are ideal for these applications, ensuring all access points are safely entered after power isolation or exited before the power can be re-energized.

Transfer exchange units feature two or more lock cylinders and are designed to trap one or more keys while the remaining keys are removed. This allows for the initiating key of the sequence that isolated the hazardous energy to be trapped, releasing keys to the access interlocks. Only once all access keys have been returned to the transfer unit will the trapped keys be released to restore power.



TRANSFER INTERLOCKS

Scheme Example	36
Type T	38
Transfer Panel	39

PRECIPITATOR – SCHEME 41

PURPOSE: To prevent opening any access doors of an electrostatic precipitator until all power supplies are de-energized and properly grounded.

INITIAL SYSTEM STATUS: (As seen in diagram) All main breakers in ESP control room are closed to supply all transformer rectifiers. All A keys (A-1, A-2, A-3, etc.) are trapped in L-O interlocks on the breakers. All transformer rectifiers are locked in the ON position. All G keys (G-1, G-2, etc.) are trapped in L-C interlocks on the ground position of the transformer rectifiers. All access doors are locked closed and all access door keys are trapped in the transfer panel (key exchange box).

SYSTEM OPERATION: To open all access doors:

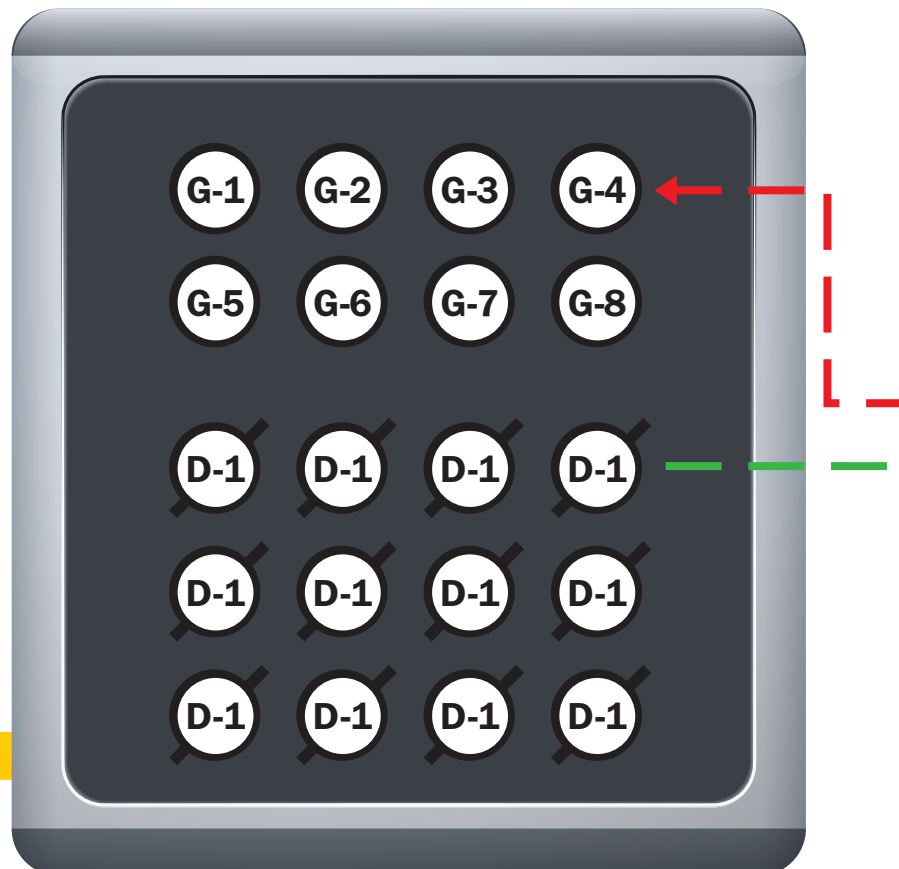
1. Open breaker A-1.
2. Turn key A-1 in L-O interlock to lock breaker in the open position. Key A-1 is now free.
3. Lock open all other breakers and free all A keys (A-2, A-3, A-4, etc.).
4. Insert all A keys in the L-C interlocks on the HV position of each TR. Turn A keys to unlock. All A keys are now trapped.
5. Rotate all TR handles to the ground position.
6. Turn all G keys (G-1, G-2, G-3, etc.) in L-C interlocks of each TR to lock all TR handles in the ground position. All G keys are now free.
7. Insert all G keys in the transfer panel (key exchange box) and turn. All G keys are now trapped.
8. Turn and remove the D-1 keys from the transfer panel. Note: D-1 keys are secondary keys and cannot be removed until all primary keys (G keys) are inserted and turned.
9. Insert the D-1 keys in each access door interlock and turn to unlock. The D-1 keys will remain trapped in each access door interlock as long as the door is open.

To restore service, close and lock all access doors, return all D-1 keys to the transfer panel and reverse the above sequence.

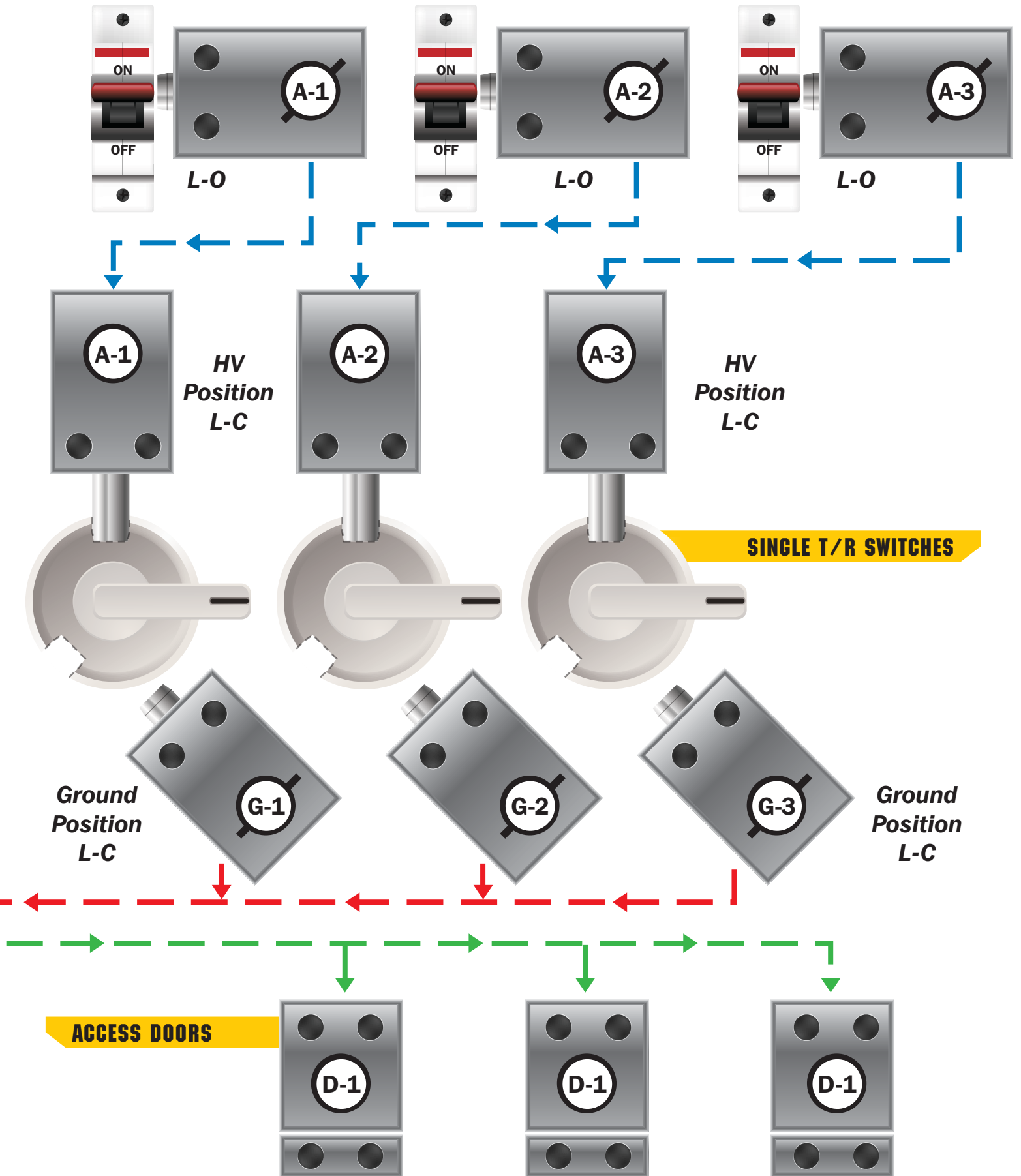
L-O = Locked Open. L-C = Locked Closed

The scheme illustrated, represents basic guidelines and products regarding the proper interlock sequence for an Electro-Static Precipitator. The equipment that comprises an E.S.P., or Bag house can vary depending upon the manufacturer and age of the equipment. Let us know your specific needs and we will help customize a solution for your application.

TRANSFER PANEL



CONTROL CIRCUIT BREAKERS



For other interlock application schemes see Scheme Book on www.kirkkey.com.

TRANSFER INTERLOCKS



Type T

The Type T transfer block is an assembly of two or more lock cylinders in a single housing. Type T transfer blocks are designed to retain one or more keys (called trapped keys) while the remaining (initiating) key(s) are removed. This allows an exchange of keys for two or more interlock sequences.

The Type T transfer block is available in both SD and HD series and can transfer keys of each series in one unit.

ORDER INFORMATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Part number

	T	R		-	-	-								-	
--	---	---	--	---	---	---	--	--	--	--	--	--	--	---	--

1	Series	K = SD Series (brass)					S = HD Series (stainless)				
4	Auxiliary Switch	0 = none 1 = K DP/DT 3 = S	4 = SS 5 = SSS 6 = SSSS	A = 2 N/O 1 N/C B = 4 N/O 2 N/C		Multi-cylinder HD series standard switch options are only available with 1 - 'E' sequence configuration. For other configurations, please consult our sales team.					
8, 9	Cylinder(s)	SD Series - max cylinders 7					HD Series - max cylinders 7				
		1	0	= E 1 CYL		NOTE: Use numbering logic for up to 7 cylinders	1	0	= E 1 CYL		NOTE: Use numbering logic for up to 7 cylinders
		1	1	= W 1 CYL			1	1	= W 1 CYL		
		2	0	= EE 2 CYL			2	0	= EE 2 CYL		
		2	1	= EW 2 CYL			2	1	= WE 2 CYL		
		3	0	= EEE 3 CYL			3	0	= EEE 3 CYL		
		3	1	= EEW 3 CYL			3	1	= WEE 3 CYL		
3	2	= EWW 3 CYL		3	2		= WWE 3 CYL				
For interlock transfer applications requiring more than 7 key transfers, KIRK recommends moving into a Transfer Panel. Please consult our sales team for more information.											
10	Stamp Key Interchange	- = No S = Yes					Stamp Key interchange only available for HD series when protective Flip Open Cover is added				
11	Opposite Hand	- = No H = Opposite Hand					Opposite hand not available for HD Series				
12	Protective Covers see protective covers data sheet	- = No C = Push On F = Flip Open					- = No F = Flip Open with LOTO provision				
13	Mounting Bolts see mounting bolt data sheet	- = No M = Hex T = Tamperproof									
15	Reverse	R = Reverse switch housing relationship									



Transfer Panel

The Transfer Panel is an assembly of eight or more lock cylinders in a single housing. Transfer Panels are manufactured with a NEMA 4 or 4X enclosure ensuring the cylinders and mechanical linkages are protected from the outside environment.

Transfer Panels are available in both SD and HD series and can transfer keys of each series in one unit.

ORDER INFORMATION

Contact a KIRK® inside sales team member at sales@kirkkey.com to discuss your specific application needs. Provide the KIRK® team with a detailed schematic of your application to ensure the transfer panel(s) is/are designed to your unique safety process.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Part number		N	E	M	A					I			O	

1	Series	K = SD Series (brass)		S = HD Series (stainless)
6, 7	Enclosure Type	NEMA 4:	4	–
		NEMA 4x:	4	X
NEMA 4X is a stainless steel enclosure				
8, 9	# of Keys IN	Use the 2 digit place holder for the # of primary keys coming into the transfer panel. Place the 0 [zero] in place holder 8 for single digits (ex; 07, 08, 09)		
11, 12	# of Keys OUT	Use the 2 digit place holder for the # of secondary keys coming out of the transfer panel. Place the 0 [zero] in place holder 11 for single digits (ex; 07, 08, 09)		
14	Stamp Key Interchange	– = No S = Yes		

SAFE ACCESS

Accessing hazardous areas for maintenance or operational procedures put employees at risk. Understanding your access points and the type of access needed, partial-body or full-body, is critical to ensure you have the appropriate KIRK® access interlock.

KIRK® access interlocks have two parts; a main body, mounted to the stationary portion of the equipment, and a latching block or chain latch, mounted to the door or gate. The key is always trapped in the main body of the interlock when the two parts are separated. Only once the latch block or chain latch re-engage the main body will the key be released.

KIRK® access interlocks are available in multiple cylinders, allowing for a personal key to be kept on the person performing the maintenance.



ACCESS INTERLOCKS

Scheme Example	43
Type D	45
Type DM	46
Type DC	47
Type P	48

MACHINE GUARDING – SCHEME 33

PURPOSE: To prevent opening of guard B with motor circuit closed.

INITIAL SYSTEM STATUS: (As seen in diagram) Starting switch normally closed. Key A-1 is trapped in starting switch interlock. Guard B (or door) is locked closed by means of type D (detachable) interlock.

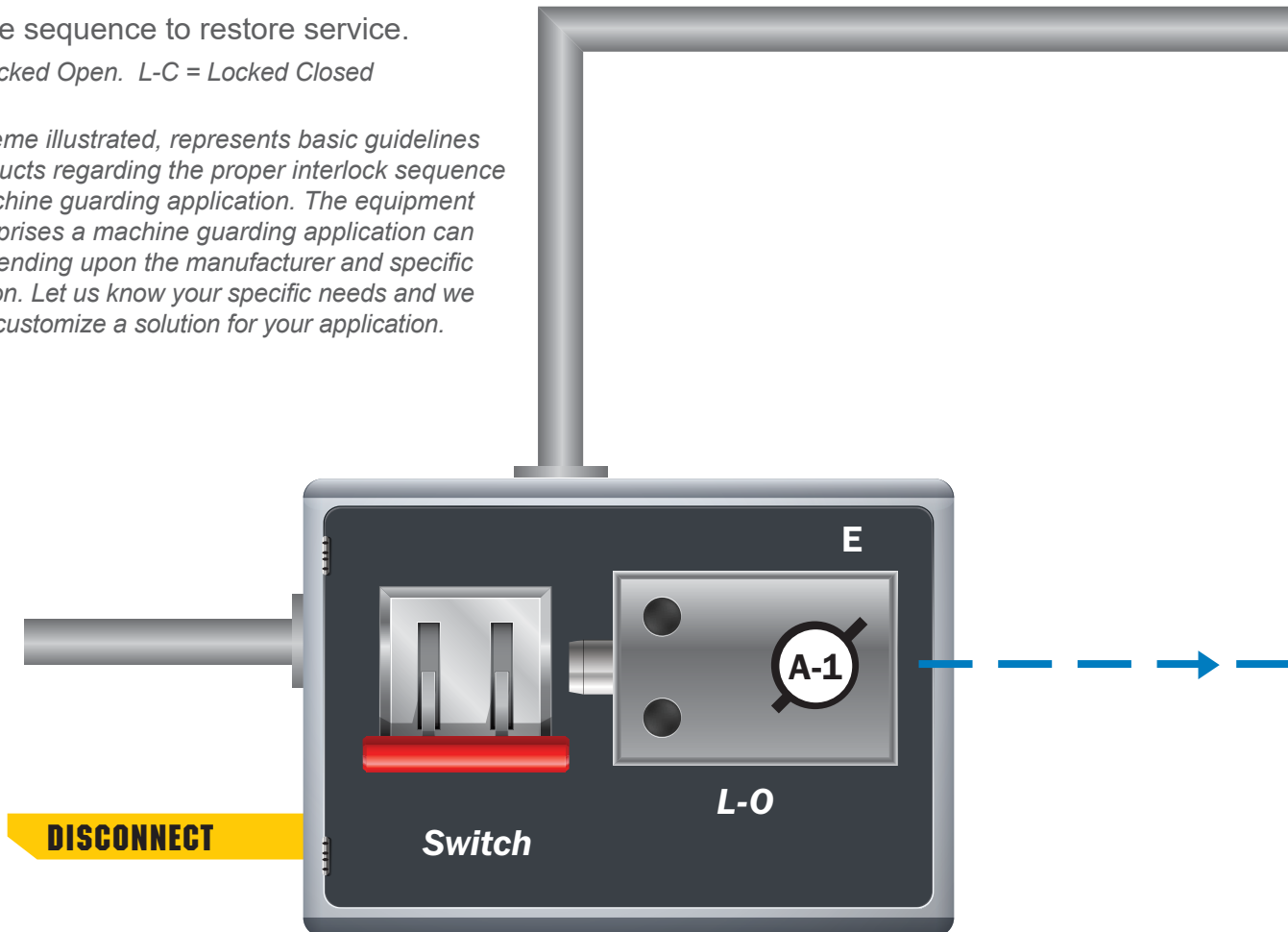
SYSTEM OPERATION:

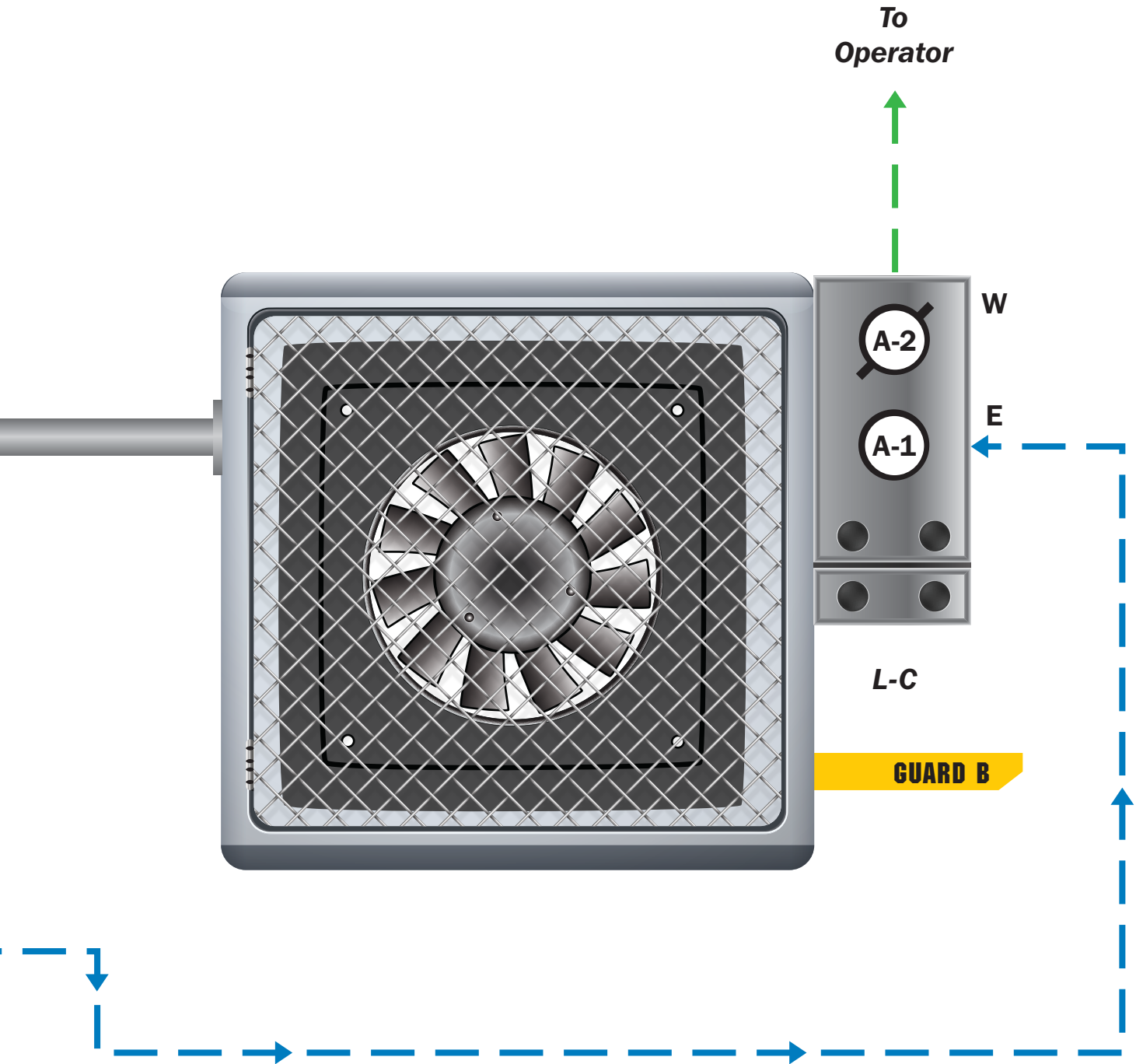
1. Open starting switch.
2. Turn key A-1 in L-O interlock on switch to lock open.
Key A-1 is now free.
3. Insert key A-1 in L-C interlock (type D) on guard B and turn to unlock. Key A-1 is now trapped.
4. Open guard. Service person can remove key A-2 and hold until the service is complete. Thereby ensuring that the key sequence cannot be reversed until the guard is locked closed again.

Reverse sequence to restore service.

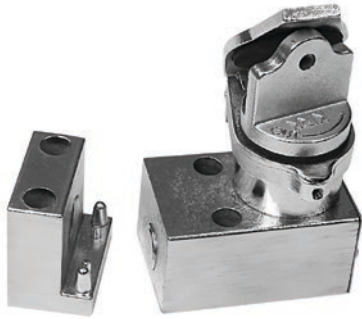
L-O = Locked Open. L-C = Locked Closed

The scheme illustrated, represents basic guidelines and products regarding the proper interlock sequence for a machine guarding application. The equipment that comprises a machine guarding application can vary depending upon the manufacturer and specific application. Let us know your specific needs and we will help customize a solution for your application.





ACCESS INTERLOCKS



Type D - Door Mounted

A Type D interlock has two parts: a main body with one or more cylinders and a latch block. The main body is typically attached to a door or gate that swings open. The latch block is typically bolted to the door frame.

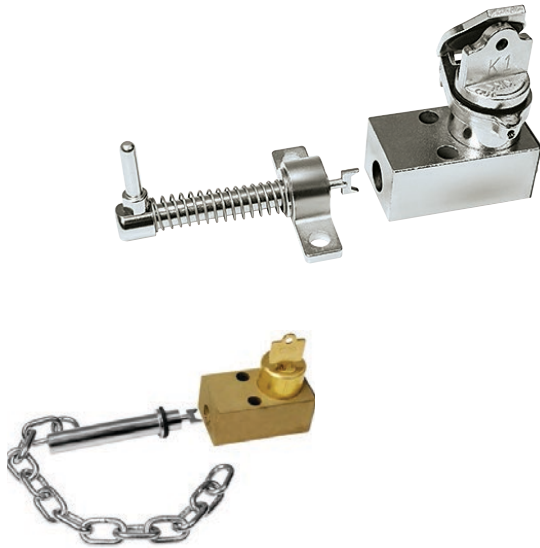


The Type D is available in both SD and HD series.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Part number		D	L		-	-	-								

1	Series	K = SD Series (brass)				S = HD Series (stainless)			
4	Auxiliary Switch	0 = none 1 = K DP/DT 3 = S	4 = SS 5 = SSS 6 = SSSS	A = 2 N/O 1 N/C B = 4 N/O 2 N/C	Multi-cylinder HD series standard switch options are only available with 1 - 'E' sequence configuration. For other configurations, please consult our sales team.				
8, 9	Cylinder(s)	SD Series - max cylinders 7				HD Series - max cylinders 7			
		1	0	= E 1 CYL	NOTE: Use numbering logic for up to 7 cylinders	1	0	= E 1 CYL	NOTE: Use numbering logic for up to 7 cylinders
		1	1	= W 1 CYL		1	1	= W 1 CYL	
		2	0	= EE 2 CYL		2	0	= EE 2 CYL	
		2	1	= EW 2 CYL		2	1	= WE 2 CYL	
		3	0	= EEE 3 CYL		3	0	= EEE 3 CYL	
		3	1	= EEW 3 CYL		3	1	= WEE 3 CYL	
		3	2	= EWW 3 CYL		3	2	= WWE 3 CYL	
HD series, 4 - 7 cylinders require longer lead times. Please consult our sales team.									
10	Stamp Key Interchange	- = No S = Yes				Stamp Key interchange only available for HD series when protective Flip Open Cover is added			
11	Opposite Hand	- = No H = Opposite Hand				Opposite hand not available for HD Series			
12	Protective Covers see protective covers data sheet	- = No C = Push On F = Flip Open				- = No F = Flip Open with LOTO provision			
13	Mounting Bolts see mounting bolt data sheet	- = No M = Hex T = Tamperproof							
14	Adapter Plate	- = No P = Adapter Plate				see adapter plate data sheet for more information			
15	Reverse	R = Reverse switch housing relationship							



Type DM

The Type DM consists of a main body and a latch bolt with twelve links of 316 stainless steel chain. Also available is a spring latch option (shown to the left in HD series). The lock body can be mounted to the equipment and the chain can be bolted or welded to the door or gate with the proper amount of “slack” for the latch bolt to reach the DM lock body.

The Type DM is available in both SD and HD series.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Part number		D	M		-	-	-							

1	Series	K = SD Series (brass)				S = HD Series (stainless)			
4	Auxiliary Switch	0 = none A = 2 N/O 1 N/C				Multi-cylinder HD series standard switch options are only available with 1 - 'E' sequence configuration. For other configurations, please consult our sales team.			
8, 9	Cylinder(s)	SD Series - max cylinders 2				HD Series - max cylinders 2			
		1	0	= E 1 CYL		1	0	= E 1 CYL	
		2	0	= EE 2 CYL		2	0	= EE 2 CYL	
		2	1	= EW 2 CYL		2	1	= WE 2 CYL	
10	Stamp Key Interchange	- = No S = Yes				Stamp Key interchange only available for HD series when protective Flip Open Cover is added			
11	Opposite Hand	- = No H = Opposite Hand				Opposite hand not available for HD Series			
12	Protective Covers see protective covers data sheet	- = No C = Push On F = Flip Open				- = No F = Flip Open with LOTO provision			
13	Mounting Bolts see mounting bolt data sheet	- = No M = Hex T = Tamperproof							
14	Adapter Plate	- = No P = Adapter Plate				see adapter plate data sheet for more information			

The Type DM Interlock ships with a chain latch bolt unless the spring latch bolt is requested at time of order.

ACCESS INTERLOCKS



Type DC

A Type DC interlock has two parts: a lock body and a catch. The catch is available in two styles, one suited to well aligned doors, the other suited to mis-aligned doors. The lock body is typically attached to a door or gate that swings open. The catch is typically attached to the door frame.

The Type DC is available in both SD and HD series.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9
Part number		D	C						

1	Series	K = SD Series (brass)		S = HD Series (stainless)	
4	Catch Entry Point	R = Rear Catch (normal)	F = Front Catch		
5	Catch Type	1 = Standard Catch	2 = Flex Catch		
6	Stamp Key Interchange	- = No S = Yes		Stamp Key interchange only available for HD series when protective Flip Open Cover is added	
7	Protective Covers see protective covers data sheet	- = No	C = Push On	F = Flip Open	- = No F = Flip Open with LOTO provision
8	Mounting Bolts see mounting bolt data sheet	- = No	M = Hex	T = Tamperproof	
9	Opposite Hand	- = No	H = Opposite Hand		Opposite hand not available for HD Series



Type P

The Type P is a heavier duty padlock designed for harsher environments and allows for a trapped key system to be incorporated into a LOTO safety procedure as needed.

The Type P is available in SD series, using the 7-pin and tumbler key design and the HD series, using the dowel pin stainless steel key.

ORDER INFORMATION

	1	2	3	4	5	6	7	8	9	10
Part number		P	L	0	-	-		1	0	

1	Series	K = SD Series (brass)	S = HD Series (stainless)
7	Protective Covers	- = No B = Boot Cover	- = No F = Flip Open with LOTO provision
10	Stamp Key Interchange	- = No S = Yes	

KEYS

The keying of KIRK® safety interlock systems is the critical piece in sequencing the system safely. Maintaining the integrity of the system by minimizing duplicate keys, or master keys, is imperative to the safety of workers and equipment.

KIRK® keys are proprietary designs only available through KIRK®. We maintain records dating back to the 1940s to ensure that duplicate key codings are not provided for a different interlock safety system at the same location.

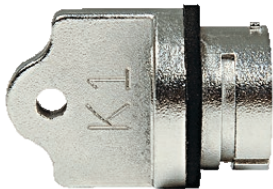




SD Keys

The KIRK® SD Series of trapped key safety interlocks feature the traditional keyed brass interlock design. This interlock series comprises a 7-pin nickel-silver key and a pin tumbler lock cylinder.

	1	2	3	4	5
Part Number	K	7	0	0	6



HD Keys

HD Series keys are made from electropolished 316 stainless steel and are constructed to be robust in the toughest of environments. The shaft driven design contains precision drivers (dowel pins) configured to specific combinations. They will not snap under force, nor will they fall through standard floor grating, minimizing downtime due to key replacement. The unique design prevents key duplication or unauthorized mastering, ensuring the highest protection of your interlock scheme.

	1	2	3	4	5
Part Number	S	7	0	0	6

ACCESSORIES

We offer the necessary accessories for all KIRK® series interlocks and their installation. Choose from stainless steel cylinder covers (push-on and flip-open), hex head and tamperproof mounting bolts, tamperproof tools and various adapter plates.



INTERLOCK ACCESSORIES

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ACCESSORIES

PROTECTIVE COVERS



Push On Protective Cover

The push on protective cover can be placed over the SD Series lock cylinder when the key is in the trapped position or removed. One end of the protective cover chain is attached to the top of the protective cover and serves to retain the cover when removed. The other end has a mounting ring, which is secured under a mounting bolt head.

To order the push on protective cover put the letter “C” in the appropriate column of the interlock part number. Reference part number when ordering separately.

Part Number	1	2	3	4	5	6	7	8	9
	2	3	4	7	2	9	5	0	1

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 3.1



Flip Open Protective Cover

The flip open protective cover is hinged and is held closed with spring tension. The flip open protective cover is attached to the lock cylinder with a stainless steel set screw.

To order the flip open protective cover put the letter “F” in the appropriate column of the interlock part number. Reference part number when ordering separately.

Part Number - HD Series	1	2	3	4	5	6
	S	C	4	2	9	2

Part Number - SD Series	1	2	3	4	5
	F	C	5	0	1

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 3.1

BOLTS

Hex Head Bolts



Hex head mounting bolts are available in both the SD and HD series. The SD series bolts are made from 18-8 Stainless Steel and the HD series bolts are made from 316 Stainless Steel.

Standard mounting bolt lengths:

- a.) 3/8"-16 x 3/4" (for Type B and unhoued SKRU)
- b.) 3/8"-16 x 1-3/4" (for Type F, T, D and DM)
- c.) 3/8"-16 x 2-1/4" (for Type D Latch Block & Type U lock)
- d.) 1/4"-20 x 5/8" (for Type FN and PPS)

To order hex head mounting bolts, put the letter "M" in the appropriate column of the interlock part number. Reference the bolt length when ordering separately.

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 3.2

Mounting Bolts Tamperproof



Tamperproof mounting bolts are available in both the SD and HD series. The SD series bolts are made from 18-8 Stainless Steel and the HD series bolts are made from 316 Stainless Steel.

Standard tamperproof mounting bolt lengths:

- a.) 3/8"-16 x 3/4" (for Type B and unhoued SKRU)
- b.) 3/8"-16 x 1-3/4" (for Type F, T, D and DM)
- c.) 3/8"-16 x 2-1/4" (for Type D Latch Block & Type U lock)
- d.) 1/4"-20 x 5/8" (for Type FN and PPS)

To order button head socket bolts, put the letter "T" in the appropriate column of the interlock part number. Reference the bolt length when ordering separately. Tamperproof tools are sold separately.

ACCESSORIES

TOOLS



Tamperproof Tools

A tamperproof key tool or tamperproof bit tool is required to install the tamperproof mounting bolts.

- 3/8" Bolt Key - shown at top of picture.
- 1/4" Bolt Key - shown middle of picture.
- 3/8" Bolt Bit - shown at bottom of picture.
- 1/4" Bolt Bit - similar to 3/8" bolt bit shown above but fits 1/4" tamperproof mounting bolts.

To order these tools with your tamperproof mounting bolts, please order by the specific part number listed below.

Part Number - 3/8" Bolt Key

1	2	3	4	5	6	7
2	1	H	K	H	K	A

Part Number - 1/4" Bolt Key

1	2	3	4	5	6	7
1	5	H	K	H	K	A

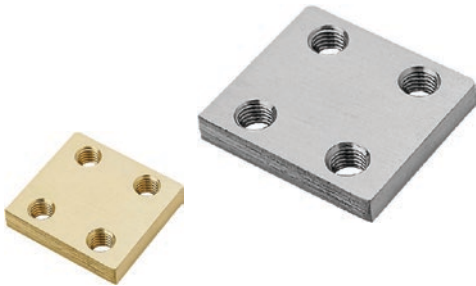
Part Number - 3/8" Bolt Bit

1	2	3	4	5	6
2	1	H	K	H	B

Part Number - 1/4" Bolt Bit

1	2	3	4	5	6
1	5	H	K	H	B

PLATES



Short D Plate

The Short D Plate is made of brass or 316 stainless steel and fastened to the back of a single cylinder Type D interlock to allow front mounting. The thickness of the Short D plate is 3/8".

To order this plate with your Type D interlock, put the letter "P" in column fourteen of the interlock part number. Reference part number when ordering separately.

Part Number - 316 Stainless Steel

1	2	3	4	5
S	9	0	0	1

Part Number - Brass

1	2	3	4	5	6	7	8
8	0	3	2	9	0	0	1

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 3.3



Long D Plate

The Long D Plate is made of brass or 316 stainless steel and fastened to the back of a multi-cylinder Type D interlock to allow front mounting. The thickness of the Long D Plate is 3/8".

To order this plate with your multi-cylinder Type D interlock, put the letter "P" in column fourteen of the interlock part number. Reference part number when ordering separately.

Part Number - 316 Stainless Steel

1	2	3	4	5
S	9	0	0	2

Part Number - Brass

1	2	3	4	5	6	7	8
8	0	3	2	9	0	0	2

ACCESSORIES



FN Plate

The FN Plate is made of brass or 316 stainless steel and fastened to the end of a Type FN interlock to allow alternative mounting scenarios. The thickness of the FN Plate is 1/4".

To order this plate with your Type FN interlock, put the letter "P" in column fourteen of the interlock part number. Reference part number when ordering separately.

Part Number - 316 Stainless Steel

1	2	3	4	5
S	9	0	0	3

Part Number - Brass

1	2	3	4	5	6	7	8	9
1	5	5	9	8	7	0	0	1

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 3.3



DM2 Plate

The DM2 adapter plate is designed to allow easy replacement of Type DY2 interlocks (no longer available) with Type DM interlocks. The DM2 adapter plate is made from zinc plated steel and can be bolted or welded to your door or door jamb.

To order this plate with your Type DM interlock, put the letter "P" in column fourteen of the interlock part number. Reference part number when ordering separately.

Part Number

1	2	3	4	5	6	7	8	9
1	2	2	1	6	1	0	0	1

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 1.5B



DM4 Plate

The DM4 mounting plate can be welded to a door or a door frame. The Type DM interlock will bolt to the DM4 mounting plate with 3/8-16 x 2-1/4" bolts. The DM4 mounting plate is available in 1018 steel or 304 stainless steel.

To order this plate with your Type DM interlock, reference part number to order separately.

Part Number - 304 Stainless Steel

1	2	3	4	5	6	7	8	9
S	4	2	9	6	3	0	0	1

Part Number - 1018 Steel

1	2	3	4	5	6	7	8	9
S	4	2	9	6	3	0	0	2

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 1.5B

GRAPHITE KIT



Graphite Lubrication Kit

The powdered graphite is supplied in a plastic tube that can be “squeezed” to force a small amount of graphite into the lock cylinder. Work the key in and out and turn the key a few times in order to distribute the graphite inside the lock cylinder.

	1	2	3	4
Part Number	G	L	-	1

Visit the product data sheets section of our website at www.kirkkey.com and reference SD and HD data sheet 3.5

SALVO

Salvo loading dock safety systems prevent drive-aways during loading/unloading by interlocking the trailer's air brakes with the dock door. This ensures that the trailer cannot depart until loading/unloading is completed and the dock door is locked closed. Salvo keeps your personnel and equipment safe by - eliminating human error.



SALVO LOADING DOCK SAFETY

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Salvo™ Loading Dock



SAFETY

Conforms with OSHA 29 CFR 1910.178, ensuring that the brakes are set during loading/unloading. Salvo also conforms with OSHA 29 CFR 1910.23 by providing a barrier from fall protection.

FAST INSTALLATION

The Salvo Kit makes mounting and wiring a simple task. The quick installation process allows for minimum site disruption and downtime.

VERSATILITY

The Salvo system works with all vehicle and dock types including lift gate trailers and open sided platforms. Salvo can also integrate with existing dock safety products such as dock levelers, restraints, traffic lights, etc.



Safety

Sequential Safety Process Eliminating Human Error Preventing Drive Aways



STEP 1: Apply the Salvo Gladhand onto the trailer's emergency brake coupling. The gladhand's trapped key can only be released once this condition is met. This will ensure that the brakes are locked and the air pressure cannot be re-applied.

STEP 2: Insert the key released from the Salvo Gladhand into the Salvo Control Panel or door lock, depending on the system installed. The dock door can now be opened. During loading/unloading, the key will be trapped in the door lock. The key can only be removed once the dock door is locked closed.

STEP 3: Once loading/unloading is complete, the dock door can be closed, releasing the key from the Salvo door lock. Insert the key back into the Salvo Gladhand to remove the gladhand from the trailer's emergency brakes, and depart safely.

SALVO LOADING DOCK SAFETY



SAMD - Manual Door Kit with Control Panel

The SAMD automatic manual door system uses an automatic door locking device (SADL) to prevent the manual door from being opened under unsafe conditions. The Salvo Gladhand (SGL) is applied to the trailers air brakes, and the key is released and inserted into the Salvo Control Panel (SCP). The SCP sends a signal to the SADL, which is mounted on the inside of the dock. The SADL can either unlock the door directly or unlock a chain barrier that is used across the dock entrance. Once loading/unloading is complete, the process can be reversed. The dock door can be locked closed, engaging the SADL, sending a signal back to the SCP. This releases the key from the SCP and it can then be inserted in the SGL on the trailer to disengage the SGL, allowing the trailer's air brakes to be reconnected, and the truck to drive away safely.

KIT CONTENTS

To order Salvo Loading Dock Safety Systems contact sales at 800-438-2442 or sales@kirkkey.com.

PRODUCT	DESCRIPTION
	The Salvo Glad Hand Lock (SGL) is a key operated mechanical locking device designed to fit on US trailer emergency brake line connectors. Its purpose is to prevent re-connection of the air brake hose, immobilizing the trailer, while loading/unloading is taking place.
	The Salvo Control Panel Plus (SCP+) is the main interface between the Salvo couplings and associated dock door controls. The SCP+ is comprised of a wall mounted panel with easy to use Castell interlock key switch to allow operation of the dock. There is also panel indicator light that clearly shows the status of operation.
	The Salvo Power Supply & Beacon (SPSB) is mounted to the interior wall of the warehouse, adjacent to the loading dock, providing notification that the trailer has been immobilized and it is safe to open the dock door and commence loading or unloading. The SPSB converts 110/240V to 24V DC to power the SCP+, providing a safer power level at the user interface.
	The SADL is a heavy duty solenoid controlled access lock available with either a stainless steel tongue actuator or a heavy duty handle. The SADL is capable of supporting Category 4 safety systems through its 2n/c 1n/o contacts and is ideal for all types of hinging or sliding access points with a good tolerance for misaligned guarding. The unit is locked by the solenoid when it is de-energized and opened when energized. A mechanical key override for the solenoid comes standard.
	The Salvo Traffic Lights are used where larger red and green lights are required to warn drivers not to pull away until the green light is on. The lights are ideally located in a highly visible location close to the Salvo Traffic Light Sign.
	The Salvo Sign Kit includes one exterior sign for outside the dock door and one interior sign for inside the warehouse. The exterior sign refers to the traffic light and reads "Move on Green Only" and the interior sign refers to the interior beacon and reads "Enter on Green Only".








SAPD - Power Door Kit with Control Panel

The power door system uses the Salvo Control Panel (SCP) to prevent the up/down controls of the power door from operating until the Salvo Gladhand (SGL) has been applied to the trailers air brakes. Once the SGL has been engaged, the key is released and can be inserted into the SCP. This ensures that the truck cannot drive away until the unloading/loading process is completed and the dock door is closed. The key can then be released from the SCP and inserted back into the SGL, disengaging the SGL and allowing the air brakes to be reconnected and the truck to drive away safely.

KIT CONTENTS

To order Salvo Loading Dock Safety Systems contact sales at 800-438-2442 or sales@kirkkey.com.

PRODUCT	DESCRIPTION
	<p>The Salvo Glad Hand Lock (SGL) is a key operated mechanical locking device designed to fit on US trailer emergency brake line connectors. Its purpose is to prevent re-connection of the air brake hose, immobilizing the trailer, while loading/unloading is taking place.</p>
	<p>The Salvo Control Panel Plus (SCP+) is the main interface between the Salvo couplings and associated dock door controls. The SCP+ is comprised of a wall mounted panel with easy to use Castell interlock key switch to allow operation of the dock. There is also panel indicator light that clearly shows the status of operation.</p>
	<p>The Salvo Power Supply & Beacon (SPSB) is mounted to the interior wall of the warehouse, adjacent to the loading dock, providing notification that the trailer has been immobilized and it is safe to open the dock door and commence loading or unloading. The SPSB converts 110/240V to 24V DC to power the SCP+, providing a safer power level at the user interface.</p>
<p>Salvo Safety Limit Switch (for use with panel/sectional doors)</p>	<p>The Salvo Safety Limit Switch comprises a mechanical roller switch and bracket set. It is mounted so that the roller is actuated by the opening and closing of the loading dock door. It should be mounted in accordance with these instructions, in a raised position to prevent accidental damage.</p>
<p>Salvo Safety Proximity Sensor (for use with shutter/roller doors)</p>	<p>The Salvo Safety Proximity Sensor is designed for use with roller shutter doors, where mechanical roller switches cannot be used. It should be mounted in accordance with these instructions, as close to the door frame as possible, to prevent accidental damage.</p>
	<p>The Salvo Traffic Lights are used where larger red and green lights are required to warn drivers not to pull away until the green light is on. The lights are ideally located in a highly visible location close to the Salvo Traffic Light Sign.</p>
	<p>The Salvo Sign Kit includes one exterior sign for outside the dock door and one interior sign for inside the warehouse. The exterior sign refers to the traffic light and reads "Move on Green Only" and the interior sign refers to the interior beacon and reads "Enter on Green Only".</p>

SALVO LOADING DOCK SAFETY

SML - EI - Manual Door Kit with Electrical Contacts

The SML-EI manual door loading dock safety system incorporates a manual door lock (SMDL) with contacts, mounted inside the dock door, and an optional traffic light (STL) to ensure immediate communication to loaders when it is safe to load/unload. The Salvo Gladhand (SGL) is used to lock out the trailer's air brakes, releasing a key. This key is then taken inside the dock door and inserted into the SMDL. This will send a signal to the traffic light indicating that loading/unloading can begin. The key is trapped in the SMDL until the dock door is closed, and the SMDL is engaged, releasing the key. The key can then be inserted into the SGL, allowing the air brakes to be reconnected and the truck to drive away safely.



KIT CONTENTS

To order Salvo Loading Dock Safety Systems contact sales at 800-438-2442 or sales@kirkkey.com.



PRODUCT	DESCRIPTION
Salvo Gladhand (SGL)	The Salvo Glad Hand Lock (SGL) is a key operated mechanical locking device designed to fit on US trailer emergency brake line connectors. Its purpose is to prevent re-connection of the air brake hose, immobilizing the trailer, while loading/unloading is taking place.
Salvo Manual Door Lock with Electrical Switches (SMDL-AIS) <i>Available in optional long spring bolt or short bolt with long or short chain kit.</i>	The Salvo Manual Door Lock (SMDL-AIS) is a mechanical interlock used to bolt loading dock doors in the closed position. The switch contacts can be used for controlling power to the dock leveler or other auxiliary electrical devices e.g. traffic lights. The unit incorporates a locking bolt which passes through the door running rail and into the lock body. Only when the key is inserted and turned, can the locking bolt be disengaged, allowing the door to be opened. The turning of the key closes the switch contacts.



SML - Manual Door Kit (No Electrical Contacts)

The SML manual door loading dock safety system incorporates a manual door lock (SMDL) mounted inside the dock door. The Salvo Gladhand (SGL) is used to lock out the trailer's air brakes, releasing a key. This key is then taken inside the dock door and inserted into the SMDL, releasing the locking bolt that passes through the dock door rails, allowing the doors to be opened. The key is trapped in the SMDL until the dock door is closed and the locking bolt is passed back through the door rails, engaging the SMDL and releasing the key. The key can then be taken back to the truck, inserted into the SGL, allowing the air brakes to be reconnected and the truck to drive away safely.

KIT CONTENTS

To order Salvo Loading Dock Safety Systems contact sales at 800-438-2442 or sales@kirkkey.com.



PRODUCT	DESCRIPTION
Salvo Gladhand (SGL)	The Salvo Glad Hand Lock (SGL) is a key operated mechanical locking device designed to fit on US trailer emergency brake line connectors. Its purpose is to prevent re-connection of the air brake hose, immobilizing the trailer, while loading/unloading is taking place.
Salvo Manual Door Lock (SMDL-AI) <i>Available in optional long spring bolt with long or short chain kit.</i>	The Salvo Manual Door Lock (SMDL-AI) is a mechanical interlock used to bolt loading dock doors in the closed position. The unit incorporates a locking bolt which passes through the door running rail and into the lock body. Only when the key is inserted and turned, can the locking bolt be disengaged, allowing the door to be opened.

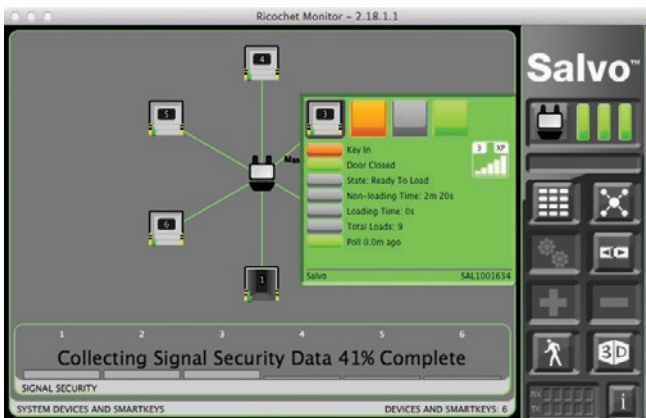
SALVO LOADING DOCK SAFETY



Wireless DockMonitor

DockMonitor records real time dock activities and provides you with report generation tools to monitor loading times, detention times, dock door operations, and more. Live data, at your fingertips, to ensure you are maximizing your loading dock capabilities and keeping your workers safe!

APPLICATION





Features

- Live display of loading dock status
- Recording of key loading dock activities
 - Loading time
 - Detention time
 - Door operations
- Report generation for customized data analysis

Easy to Interpret Light Indicators

 GREEN, door is closed, Salvo Gladhand is not fitted to trailer and vehicle can leave.

 AMBER, Salvo Gladhand has been fitted to trailer, the key has been inserted into the SCP+ and the door is closed.

 RED, Salvo Gladhand has been fitted to trailer, the key has been inserted into the SCP+ and the door has been opened.

Mesh Networking Wireless Technology

DockMonitor with Mesh Wireless Technology enables wireless devices to receive and repeat wireless transmission from other devices. The size scalability and range of the entire system are extended as wireless signaling is no longer limited to point-to-point communications.

To order Salvo Loading Dock Safety Systems contact sales at 800-438-2442 or sales@kirkkey.com.

Salvo Loading Dock Safety Kits Overview

SALVO LOADING DOCK SAFETY KIT	DOCK DOOR TYPE	DOCK SAFETY EQUIPMENT INTEGRATION	COMPATIBLE FOR OPEN SIDED LOADING PLATFORMS	GANGWAY COMPATIBLE	TRAFFIC SAFETY LIGHT
SAMD	Manual	YES	NO	NO	YES
SAPD	Power	YES	NO	NO	YES
SML-EI	Manual	NO	YES	NO	YES
SML	Manual	NO	YES	YES	NO

To order Salvo Loading Dock Safety Systems contact sales at 800-438-2442 or sales@kirkkey.com.

Salvo™

SALVO ACCESSORIES



Master Key

In the event that a key comes missing, the Master Key is easily identifiable by its distinctive red coating. It should be safely kept in the shipping office for use in emergencies.



Salvo Club

The Salvo Club helps ensure loading dock safety. The Salvo Club brings added safety to loading dock procedures by locking a vehicle's steering wheel. The Salvo Club can be attached to vehicle steering wheels of varying sizes and will remain locked in place once the key is removed. When loading/unloading procedures are complete, the key may be replaced, and the Salvo Club can be removed allowing the vehicle driver to depart from the loading bay.



Salvo Traffic Light (STL)

The Salvo Traffic Lights are used where larger red and green lights are required to warn drivers not to pull away until the green light is on. The lights are ideally located in a highly visible location close to the Salvo Traffic Light Sign.



Salvo Sign Kit

The Salvo Sign Kit includes one exterior sign for outside the dock door and one interior sign for inside the warehouse. The exterior sign refers to the traffic light and reads "Move on Green Only" and the interior sign refers to the interior beacon and reads "Enter on Green Only".



Bollards Bracket

The Salvo Bollards Bracket attaches to the bollards and enables easy mounting of various Salvo products as part of the loading dock safety system.



Gladhand Storage Enclosure

The Salvo Glad Hand Lock Enclosure - Exterior is designed to store a single Salvo Glad Hand Lock when not in use. The Salvo Glad Hand Lock Enclosure can be quickly wall - mounted or attached to a Salvo Bollard. The enclosure is weather resistant, protecting the Salvo Glad Hand Lock even in a harsh environment.



Wall Bracket

The Salvo Wall Bracket attaches to the wall and enables easy mounting of various Salvo products as part of the loading dock safety system.

CLOSES ARRY

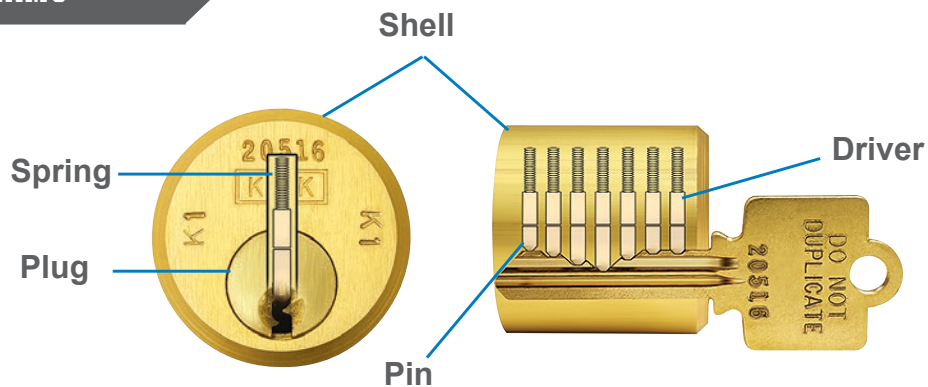


GLOSSARY

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GLOSSARY

CYLINDER TERMS



SD KEY TERMS

The **Key Interchange** (ex. A1) is optional and is stamped on the cylinder and key. The **Cylinder Combination Number** (ex. 62187) and **Key Way** (ex. W2) are always stamped on the key. The **Cylinder Combination Number** (ex. 62187) is also stamped on the cylinder.



HD KEY TERMS

The **Key Interchange** (ex. K1) is optional and is stamped on the key and optional flip cover. The **Cylinder Combination Number** (ex. 101) is stamped on the key and the cylinder.

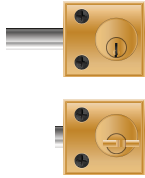
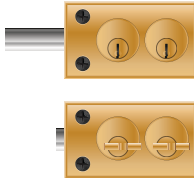
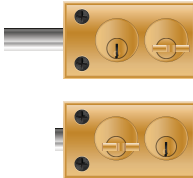




EXTENDED & WITHDRAWN

SD Series

E's & W's reference the key removal position in relation to the lock bolt position.

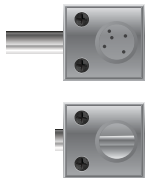
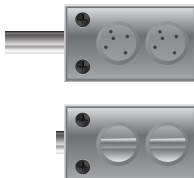
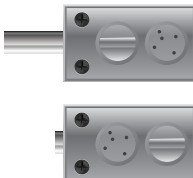
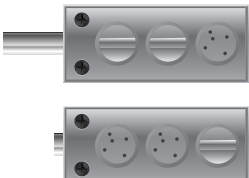
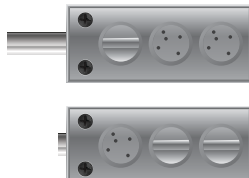
The pictures below are examples of how the part number and the E's & W's are represented in the part number.

1 Cylinder E Key Removable Extended	2 Cylinders E E Keys Removable Extended	2 Cylinders E W 1 Key Removable Extended	3 Cylinders E W W 1 Key Removable Extended	3 Cylinders E E W 2 Keys Removable Extended
				
Key Trapped Withdrawn KFL0002510 -----	Keys Trapped Withdrawn KFL0002520 -----	1 Key Removable Withdrawn KFL0002521 -----	2 Keys Removable Withdrawn KFL0002532 -----	1 Key Removable Withdrawn KFL0002531 -----

HD Series

E's & W's reference the key removal position in relation to the lock bolt position.

The pictures below are examples of how the part number and the E's & W's are represented in the part number.

1 Cylinder E Key Removable Extended	2 Cylinders E E Keys Removable Extended	2 Cylinders W E 1 Key Removable Extended	3 Cylinders W W E 1 Key Removable Extended	3 Cylinders W E E 2 Keys Removable Extended
				
Key Trapped Withdrawn SFL0002510 -----	Keys Trapped Withdrawn SFL0002520 -----	1 Key Removable Withdrawn SFL0002521 -----	2 Keys Removable Withdrawn SFL0002532 -----	1 Key Removable Withdrawn SFL0002531 -----

GLOSSARY

LOCK BODY TERMS

Cylinder Combination Number - The cylinder combination number is stamped on the key and the cylinder of the lock.

Housing - The housing relates to the lock type.

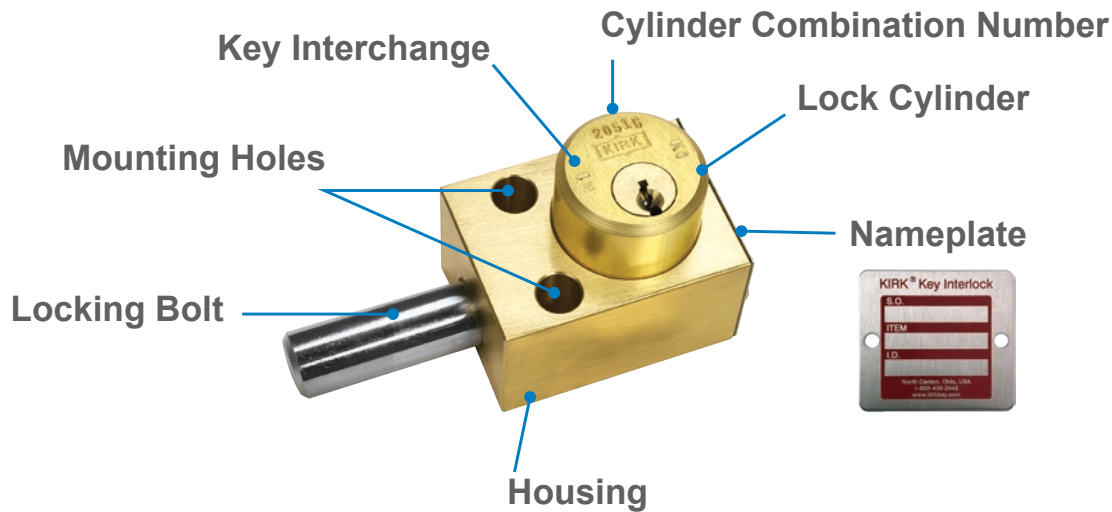
Key Interchange - The key interchange is stamped on the cylinder and key (if specified).

Locking Bolt - The locking bolt extends from the lock and always extends 3/4 an inch when the key is turned.

Lock Cylinder - The lock cylinder holds the shell, spring, driver, pin, and plug that allows for the key to turn and the interlock to lock.

Mounting Holes - The mounting holes are used to mount the interlock on specified equipment.

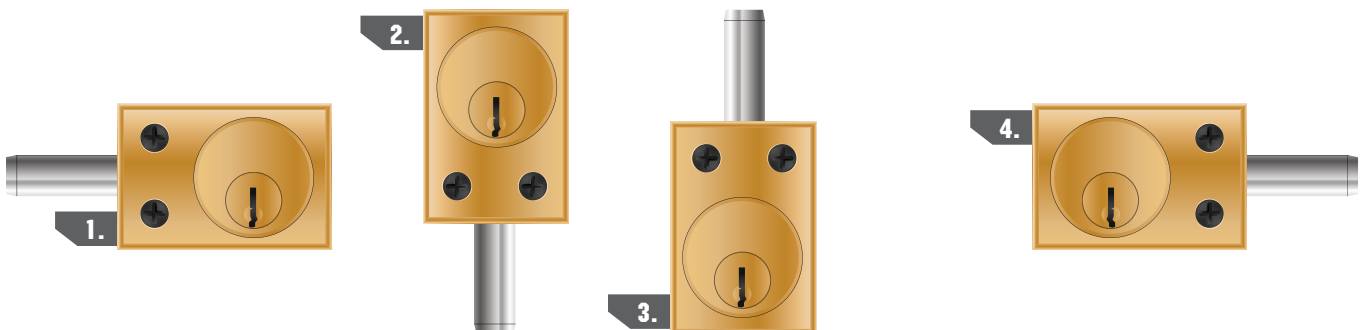
Nameplate - The nameplate provides the sales order number, the line item number from the sales order, and any additional information as requested by the customer.



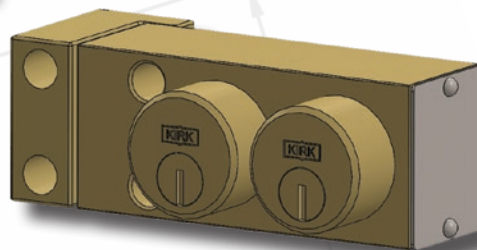
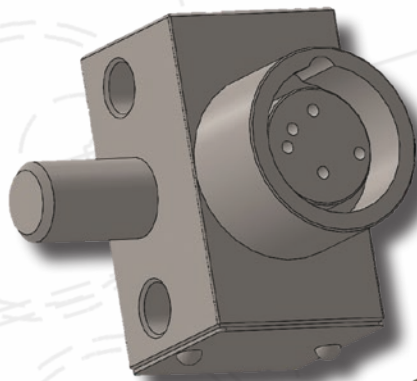
SD SERIES ORIENTATION

Normal Orientation (1-3) (Right-Handed) - The lock cylinder is to the right of the locking bolt.

Opposite Hand Orientation (4) (Left-Handed) - The lock cylinder is to the left of the locking bolt. To order an interlock opposite-hand, place an "H" in the appropriate column of the interlock part number.



Only applicable to SD Series Interlocks.



NEED MORE DETAILED INFORMATION?

Visit our CAD model portal located on our website, www.kirkkey.com, to view and download 2D & 3D models of the Kirk Key products. These files are useful to engineers and designers during the design process to check for clearance and mounting options.

The portal allows you to browse a catalog of files and choose single or multiple files to download for use during your design process.





WE BELIEVE EVERYONE HAS THE RIGHT TO BE **SAFE** AT WORK