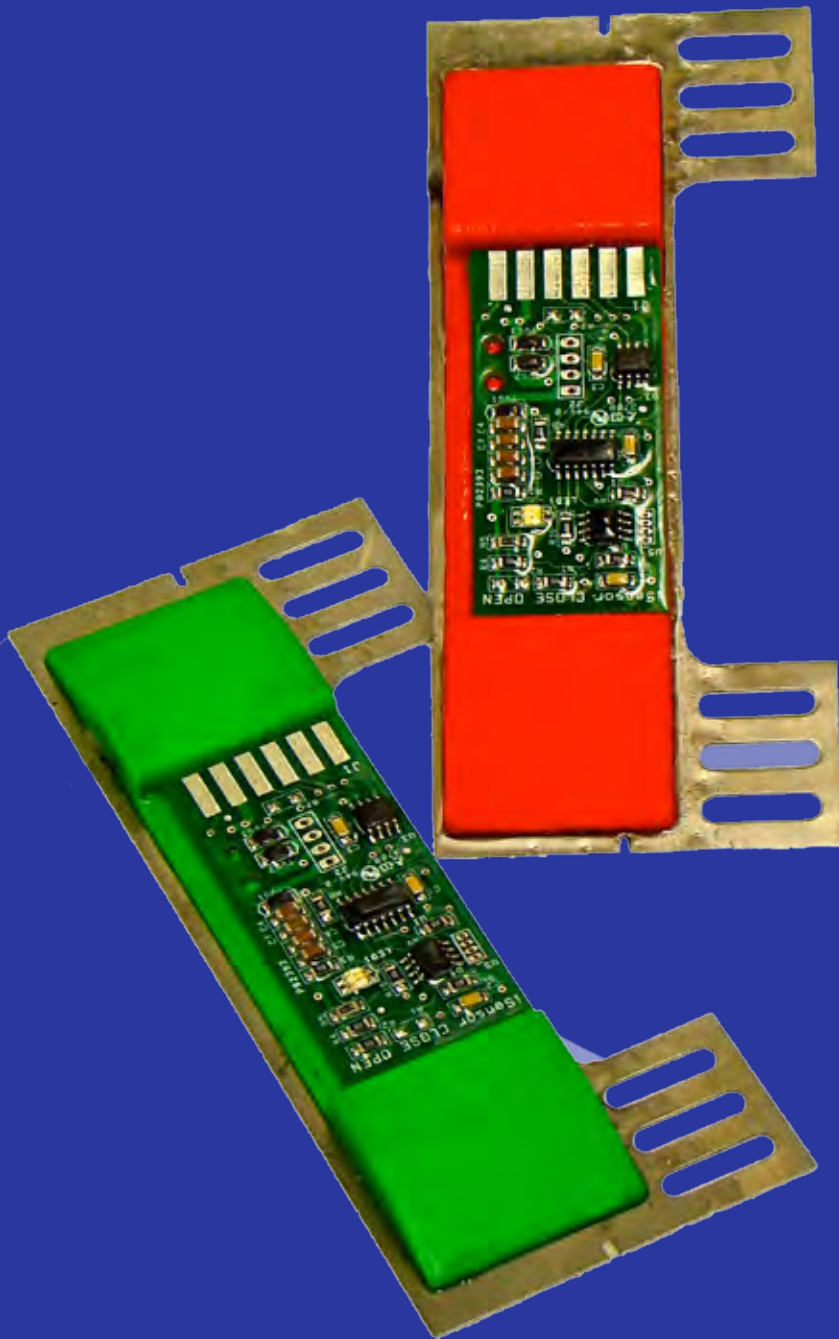


SWITCHES

iSENSORS - LIMIT SWITCHES - AUTO-STA SET SWITCHES - EUDS



ONE COMPANY
So Many Options



Freight Door Systems



Freight Car Enclosures



IUEC Installation



Material Handling
Systems



Service Parts



Service Parts



HARRIS PREBLE

Service Parts



Service Parts



Table of Contents



Switches

iSENSORS

iSENSORS.....	3
---------------	---

Limit Switches

Q Series.....	4
P Series	5

Auto-Sta Set Switches

Q Series	13
P Series	15

Emergency Unlocking Devices (EUDs)

EUD without micro switch	17
EUD with micro switch	18
EUD with glass	19



Limit Switches

04-700000

iSENSORS

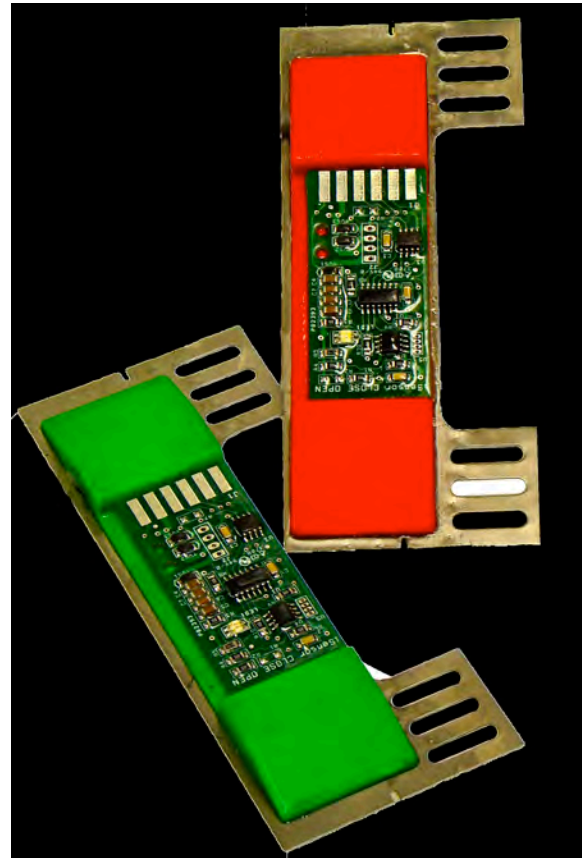
Where Used

COURION Next Generation iSYSTEM

Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	04-700003	iSENSOR - Close
2	04-700004	iSENSOR - Open
3	90-717010	iSENSOR Magnet
4	90-718020	iSENSOR Cable
5	94-700000	iSENSOR Hardware Kit



Handed

☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.

Features and Notes

COURION's Door iSENSORS utilize state-of-the-art hall-effect technology, which allows contact-free sensing, devoid of mechanical wear, to reliably determine the exact position of your freight elevator hoistway doors. COURION's iSENSORS have no moving parts, so there is nothing to break and nothing to adjust.

The iSENSORS are immune to dust, oil, grease, dirt, mud, and water.



Limit Switches

04-250000

QLSII Limit Switch

Where Used

COURION Power Operated Freight Doors with Q Series Interlocks

Also available: QLS II Limit Switch - Explosion Resistant (Part #: 04-250079)

Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	04-252000	QLS II Roller Assembly
2	90-983200	Microswitch



Handed

☒ Yes ☐ No

If part is handed, you must specify Right or Left Hand.

Features and Notes

Includes Q Limit Switch Hardware Kit #94-000190Q.



Limit Switches

04-550001

Limit Switch

Where Used

COURION Power Operated Freight Doors with P Series Interlocks

Also Available: 1 Pair of Limit Switches (Part #: 04-550002.

Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	04-550100	Limit Switch Roller Arm
2	04-550200	Limit Switch Mounting Bracket
3	90-983200	Microswitch



Handed

☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.

Features and Notes



Limit Switches

04-599301

Limit Switch Assembly - Obsolete

Where Used

COURION P Style Power Operated Freight Doors



Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	04-548604	Limit Switch Box Cover
2	04-549004	Spring - Obsolete
3	04-549206	Shaft Rod Assembly - Obsolete
4	04-601401	Microswitch insulator - Obsolete
5	08-003600	Interlock Spring
6	90-876300	Microswitch

Handed

☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.

Features and Notes

Obsolete - replaced by 04-550001 & 04-550002

Limit Switches

04-252000

QLS II Roller Assembly

Where Used

COURION QLSII Limit Switch



Features and Notes

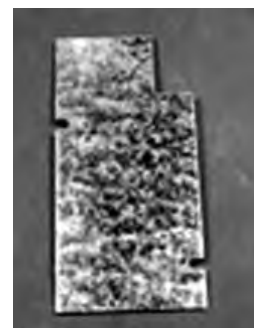
Handed ☒ Yes ☐ No

04-548604

Limit Switch Box Cover

Where Used

COURION P Style Power Operated Freight Doors, Car Gate Contact



Features and Notes

Handed ☐ Yes ☒ No

04-549000

Spring

Where Used

COURION P Style Power Operated Freight Doors, and Gate Contact



Features and Notes

Handed ☒ Yes ☐ No

04-549004

Spring - Obsolete

Where Used

COURION P Style Power Operated Freight Doors



Features and Notes

Obsolete

Handed ☐ Yes ☒ No

Limit Switches

04-549206

Shaft Rod Assembly - Obsolete

Where Used

COURION P Style Power Operated Freight Doors

Features and Notes

Obsolete



Handed ☐ Yes ☒ No

04-549303

Limit Switch Shaft

Where Used

COURION P Style Power Operated Freight Doors

Features and Notes



Handed ☐ Yes ☒ No

04-550100

Limit Switch Roller Arm

Where Used

COURION P Style Limit Switches

Features and Notes



Handed ☐ Yes ☒ No

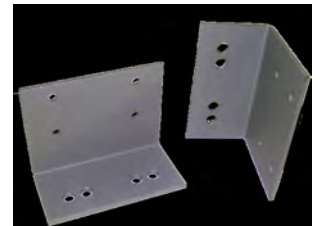
04-550200

Limit Switch Mounting Bracket

Where Used

COURION P Style Limit Switches

Features and Notes



Handed ☐ Yes ☒ No

Limit Switches

04-700003

iSENSOR - Close

Where Used

COURION Next Generation iSYSTEM - used with ILEARN Door Controls

Features and Notes



Handed ☐ Yes ☒ No

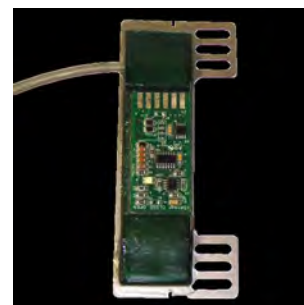
04-700004

iSENSOR - Open

Where Used

COURION Next Generation iSYSTEM - used with ILEARN Door Controls

Features and Notes



Handed ☐ Yes ☒ No

07-211079

Cover - Hazardous Location

Where Used

COURION Q Style Car Gate - Hazardous Environment - OBSOLETE

Replace with QLS II Limit Switch

Features and Notes

Handed ☐ Yes ☒ No

09-880000

Door Open Cam - Q Style

Where Used

COURION "Q" Style Limit Switches

Features and Notes

Available in stainless.

Includes Door Open Cam Hardware Kit #94-000200Q



Handed ☒ Yes ☐ No

Limit Switches

09-881500

Where Used

COURION "Q" Style Limit Switch

QLS Door Close Cam



Features and Notes

Available in Stainless

Includes Door Close Cam Hardware Kit #94-000210Q

Handed ☒ Yes ☐ No

09-881800

Where Used

COURION "Q" Style Limit Switch

QLS Door Open Cam



Features and Notes

Available in Stainless

Handed ☒ Yes ☐ No

90-717010

Where Used

COURION Next Generation iSYSTEM - used with ILEARN Door Controls

iSENSOR Magnet



Features and Notes

.125" thick x .625" wide x 24" Long

Handed ☐ Yes ☒ No

90-718020

Where Used

COURION Next Generation iSYSTEM - used with ILEARN Door Controls

iSENSOR Cable



Features and Notes

20' Long

Handed ☐ Yes ☒ No

Limit Switches

90-907900

Where Used

Roller Arm

Features and Notes



Handed ☐ Yes ☒ No

90-983200

Where Used

COURION QLSII and P Style Limit Switch, and Q Style Auto-Set Switch

Microswitch

Features and Notes

Electrical Rating - 300VAC, 10A

Rated suitable for NEMA 1, 2, 3, 4, 7, 9 & 12 environments and is classified IP68.

UL and CSA Approved



Handed ☐ Yes ☒ No

90-983300

Where Used

COURION QLSII Limit Switch and Rotary Limit Switch

Microswitch - Explosion Resistant

Features and Notes



Handed ☐ Yes ☒ No

94-000190Q

Where Used

COURION "Q" Style Freight Doors

Q Limit Switch Hardware Kit

Features and Notes



Handed ☐ Yes ☒ No

Limit Switches

94-000200Q

Q Door Open Cam Hardware Kit

Where Used

COURION "Q" Style Limit Switch Door Open Cam

DOOR OPEN CAM HARDWARE KIT 94-000200Q
(1) Chain Rod Adjustment Lock (R09-88200)
(5) 5/16-18 x 3/4 Hex Head Cap Screw (HHCS)
(5) 5/16 Flat Washers (FW)
(5) 5/16 Split Lock Washers (LW)
COURION 1-800-533-5760 OR 314-533-5700

Features and Notes

Handed ☐ Yes ☒ No

94-000210Q

Q Door Close Cam Hardware Kit

Where Used

COURION "Q" Style Limit Switch

DOOR CLOSED CAM HARDWARE KIT 94-000210Q
(3) 5/16-24 x 1/2 Hex Head Cap Screw (HHCS)
(3) 5/16 Flat Washers (FW)
(3) 5/16 Split Lock Washers (LW)
COURION 1-800-533-5760 OR 314-533-5700

Features and Notes

Handed ☐ Yes ☒ No

94-000730

Door Limit Switch Hardware Kit

Where Used

COURION P Style Limit Switches

DOOR LIMIT SWITCH HARDWARE KIT (PA STYLE) Courion Part # 94-000730
(2) 3/8-16 x 3/4" Hex Head Cap Screw (HHCS)
(2) 3/8 Spring Lock Washer (LW)
COURION 1-800-533-5760 OR 314-533-5700

Features and Notes

Handed ☐ Yes ☒ No

94-700000

iSENSOR Hardware Kit

Where Used

COURION Next Generation iSYSTEM - used with ILEARN Door Controls

94-700000 Door iSENSOR Hardware Kit
(5) #8-32 x 7/8" Button Head Cap Screws
(5) #8 SAE Flat Washers
(1) Installation Instructions - Door iSENSORS
Courion (800) 533-5760 or (314) 533-5700

Features and Notes

Includes fasteners necessary to attach the Open and Close iSENSORS to the Door Guide Rails

Handed ☐ Yes ☒ No



Auto-Sta Switches

21-260000

Q Auto-Sta Set Switch Assembly

Where Used

COURION Q Style Power Operated Freight Doors.

Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	90-983200	Microswitch
2	90-983250	Roller Arm
3	94-000220Q	Q Auto-Sta Set Switch Hardware Kit



Handed

☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.

Features and Notes

The Q Style Auto-Sta Set Switch solves the problem of “bouncing” freight doors when a heavy weight passes over the lower door panel. When activated, the Auto-Sta Set Switch applies power to the door motors and returns the lower door panel to the FULL OPEN position.

Includes Auto-Sta Set Hardware Kit #94-000220Q

Q Series

90-983200

Microswitch

Where Used

COURION QLSII and P Style Limit Switch, and Q Style Auto-Sta Set Switch

Features and Notes

Electrical Rating - 300VAC, 10A
Rated suitable for NEMA 1, 2, 3, 4, 7, 9 & 12 environments and is classified IP68.
UL and CSA Approved



Handed ☐ Yes ☒ No

90-983250

Roller Arm

Where Used

COURION Q Style Auto-Sta Set Switch

Features and Notes

Available in Stainless



Handed ☐ Yes ☒ No

94-000220Q

Q Auto-Sta Set Switch Hardware Kit

Where Used

COURION Q Style Auto-Sta Set Switch

AUTO-STA SET SWITCH HARDWARE KIT	
94-000220Q	
(3) 5/16-18 x 3/4 Hex Head Cap Screw	
(3) 5/16 Flat Washers	
(3) 5/16 Spring Lock Washers	
(3) #10-32 x 2" Flister Head Machine Screw	
(3) #10 Spring Lock Washer	
COURION 1-800-533-5760 OR 314-533-5700	

Features and Notes

Handed ☐ Yes ☒ No



Auto-Sta Switches

04-589800

Automatic Stay Set Switch

Where Used

COURION P Style Freight Doors

Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	90-876700	Microswitch
2	90-876850	Auto-Sta Set Roller Arm



Handed

☒ Yes ☐ No

If part is handed, you must specify Right or Left Hand.

Features and Notes

The P Style Auto-Sta Set Switch solves the problem of “bouncing” freight doors when a heavy weight passes over the lower door panel. When activated, the Auto-Sta Set Switch applies power to the door motors and returns the lower door panel to the FULL OPEN position.

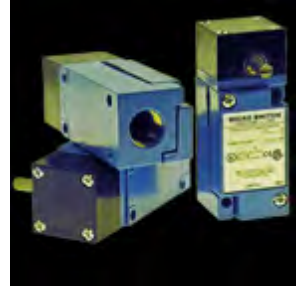
P Series

90-876700

Where Used

COURION P Style Auto-Sta Set Switch

Microswitch



Features and Notes

Electrical Rating - 300VAC, 10A
Rated suitable for NEMA 1, 2, 3, 4, 7, 9 & 12 environments and is classified IP68.
UL and CSA Approved

Handed ☐ Yes ☒ No

90-876850

Where Used

COURION P Style Auto-Sta Set Switch

Auto-Sta Set Roller Arm



Features and Notes

Handed ☐ Yes ☒ No



Emergency Unlocking Devices

08-899502

Emergency Unlocking Device - obsolete

Where Used

COURION Freight Doors and Dumbwaiters with P Series Interlocks

OBSOLETE - Replaced by Emergency Unlocking Device #08-899505.

Features and Notes

The hoistway door Emergency Unlocking Device (EUD) is provided to unlock the hoistway doors as specified in the Elevator Code.

Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	08-800800	EUD Chain Kit - Obsolete
2	90-848800	EUD Lock



Handed
☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.



Emergency Unlocking Devices

08-899503

Emergency Unlocking Device - obsolete

Where Used

COURION Freight Doors with Q Series Interlocks

OBSOLETE - Replaced by Emergency Unlocking Device #08-899504

Features and Notes

The hoistway door Emergency Unlocking Device (EUD) is provided to unlock the hoistway doors as specified in the Elevator Code.

Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	08-800800	EUD Chain Kit - Obsolete
2	90-848800	EUD Lock
3	90-876500	Microswitch



Handed
☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.



Emergency Unlocking Devices

08-899504

Emergency Unlocking Device - with microswitch

Where Used

COURION Freight Doors with Q Style Interlocks

Designed to replace Emergency Unlocking Device #08-899503

Features and Notes

Made out of 16GA Stainless Steel with #4 finish

Includes EUD Cable Hardware Kit #08-800802



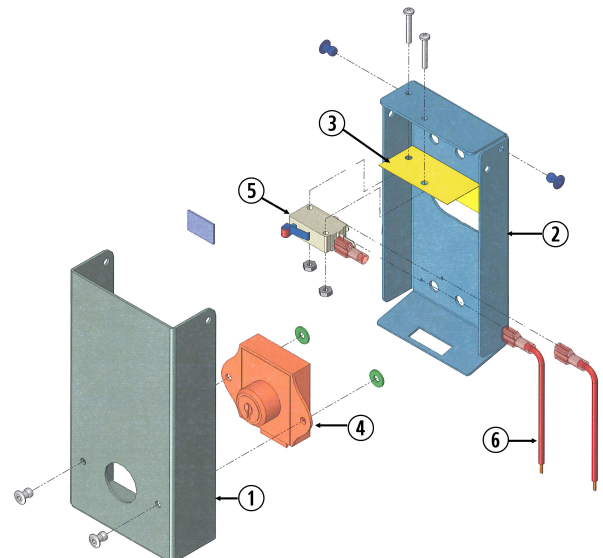
Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	08-802300	EUD Cover
2	08-802301	EUD Base
3	08-802302	Insulator
4	90-848800	EUD Lock
5	90-877600	EUD Snap Action Microswitch
6	90-890700	#16ga Wire

Handed
☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.





Emergency Unlocking Devices

08-899505 Emergency Unlocking Device - no microswitch

Where Used

COURION Freight Door Systems with P Style Interlocks

Designed to replace Emergency Unlocking Device #08-899502

Features and Notes

Made out of 16GA Stainless Steel with #4 finish

Includes EUD Cable Hardware Kit #08-800802



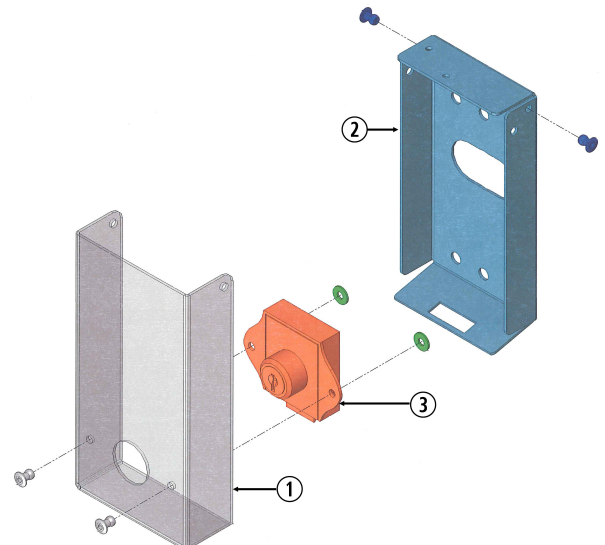
Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	08-802300	EUD Cover
2	08-802301	EUD Base
3	90-848800	EUD Lock

Handed
☐ Yes ☒ No

If part is handed, you must specify Right or Left Hand.





Emergency Unlocking Devices

08-899800

Emergency Unlocking Device - with Glass

Where Used

COURION Freight Doors with P Series Interlocks

Features and Notes

The hoistway door Emergency Unlocking Device (EUD) is provided to unlock the hoistway doors as specified in the Elevator Code.



Sub Assemblies

(For additional details - see pages that follow)

Item #	Part #	Part Description
1	08-800400	EUD Glass Retainer
2	08-800900	EUD Glass
3	09-804400	Thru Bolt Washer
4	90-820200	Chain - #8 Sash
5	90-846300	Split Key Ring
6	90-848800	EUD Lock

Handed
☐ Yes ☒ No

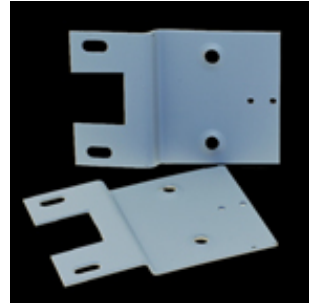
If part is handed, you must specify Right or Left Hand.

Emergency Unlocking Devices

08-800400

Where Used
COURION EUDs

EUD Glass Retainer



Features and Notes

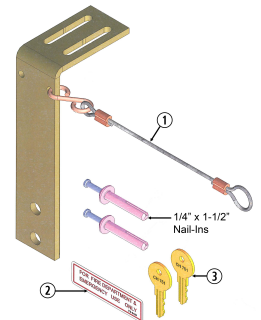
Handed ☐ Yes ☒ No

08-800802

Where Used

COURION Emergency Unlocking Device for both Q and P Style Interlocks.

EUD Cable Kit



Features and Notes

Hardware Kit includes: (1) 24" long piece of 3/32" aircraft cable (#08-802304), (1) EUD Label (#90-205700), (2) Hudson keys #CH751 (#90-952000), and (2) 1/4" x 1-1/2" nail-ins.

Handed ☐ Yes ☒ No

08-800900

Where Used
COURION EUDs

EUD Glass



Features and Notes

2-3/4" x 2-3/16"

Handed ☐ Yes ☒ No

09-804400

Where Used

COURION Emergency Unlocking Device

Thru Bolt Washer



Features and Notes

Handed ☐ Yes ☒ No

Emergency Unlocking Devices

90-846300

Split Key Ring

Where Used

COURION Emergency Unlocking Device



Features and Notes

Handed ☐ Yes ☒ No

90-848800

EUD Lock

Where Used

COURION Emergency Unlocking Devices



Features and Notes

Requires Key # CH751

Handed ☐ Yes ☒ No

90-876500

Microswitch

Where Used

COURION Emergency Unlocking Devices 08-899502 and 08-899503.



Features and Notes

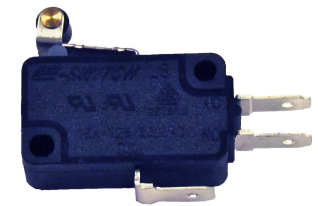
Handed ☐ Yes ☒ No

90-877600

EUD Snap Action Microswitch

Where Used

COURION Emergency Unlocking Devices 08-899504 and 08-899505



Features and Notes

Microswitch is wired normally open (NO)

Include a (1) insulator (#08-802302), (2) 3-48 x 3/4" pan head machine screws, and (2) 3-48 hex nuts.

Handed ☐ Yes ☒ No

Emergency Unlocking Devices

90-952000

Where Used

COURION Emergency Unlocking Devices

EUD Key



Features and Notes

Hudson #CH751

Handed ☐ Yes ☒ No



