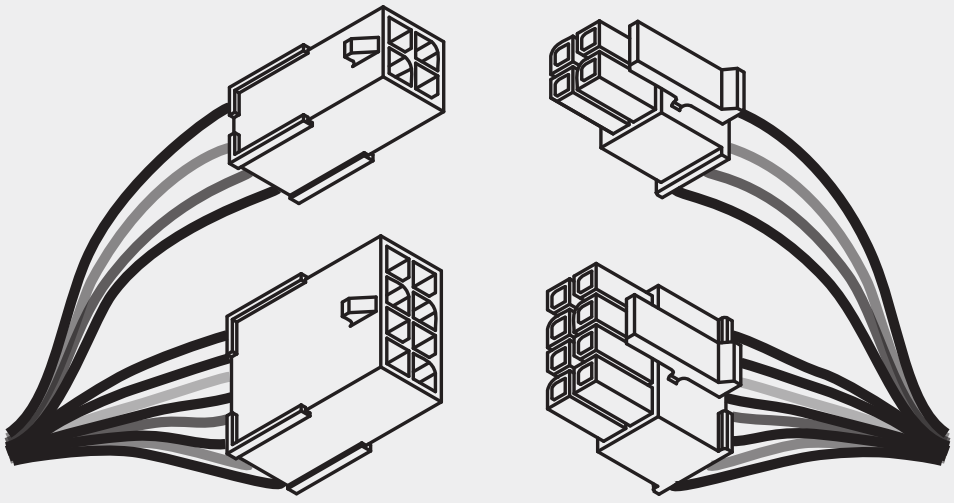
ALLEGION

Allegion Connect

Technical Manual



This manual covers the Allegion Connect products in multiple brands.
See the table of contents to locate the desired brand information.

Contents

Overview

Electrified Hardware

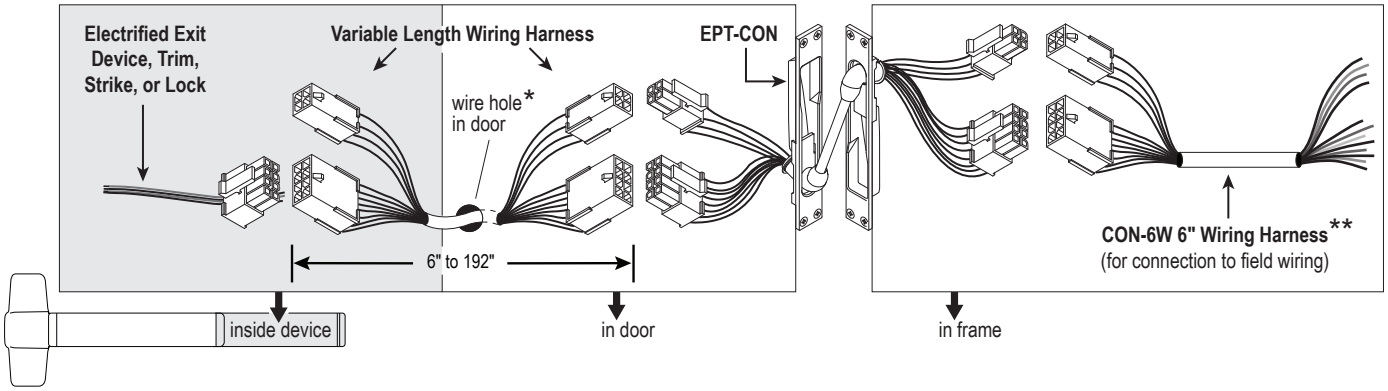
The electrified exit device, lock, trim, or strike is supplied with the Allegion Connect 8 pin and/or 4 pin connectors. In some cases an adapter is supplied and is shown in greater detail on the application pages of this manual. There are limitations regarding what Allegion Connect products can be combined. Consult factory for combinations not shown in this manual.

EPT or Hinge

The EPT or electrified hinge is supplied with Allegion Connect 8 pin and 4 pin connectors, or 8 pin connector only. See related product page.

Variable Length Wiring Harnesses

The 20 gauge wiring harnesses have Allegion Connect 8 pin and 4 pin connectors on each end, or can be ordered with the connectors on one end only. One wiring assembly is used to connect the electrified hardware to the EPT/hinge, and a 6" CON-6W wiring harness can be used to route from the EPT/hinge to field wiring.



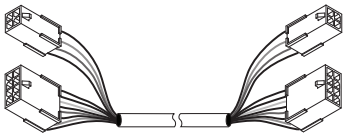
* Standard wiring hole may need to be enlarged slightly to fit connector through door surface.

Wiring Harnesses

Variable Length Harness

with connectors on both ends
(for use with Hollow Metal Doors)

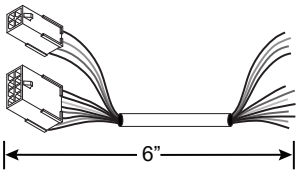
INTERNAL PART #	PART #	TOTAL LENGTH
106190	CON-6	6
106191	CON-12	12
106192	CON-26	26
106193	CON-32	32
106194	CON-38	38
106195	CON-44	44
106196	CON-50	50
106197	CON-192	192



6" Harness**

6" with connectors on one end only
(for connection to field wiring)

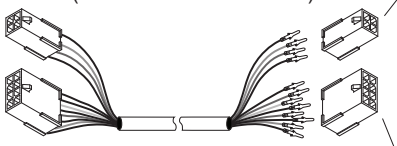
INTERNAL PART #	PART #	TOTAL LENGTH
106210	CON-6W	6



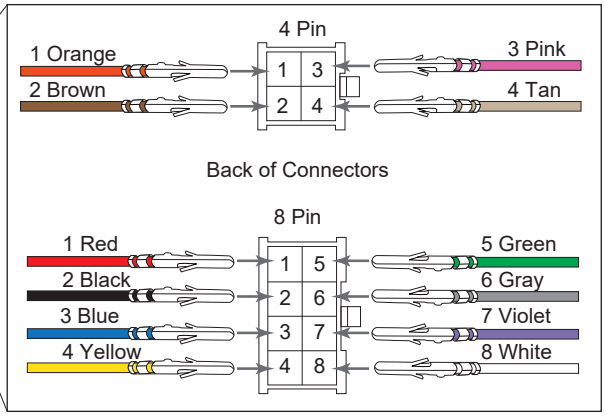
Variable Length Harness

with connectors on one end, crimped pins and loose connectors on other end
(for use with Wood Doors)

INTERNAL PART #	PART #	TOTAL LENGTH
106201	CON-6P	6
106202	CON-12P	12
106203	CON-26P	26
106204	CON-32P	32
106205	CON-38P	38
106206	CON-44P	44
106207	CON-50P	50
106208	CON-192P	192



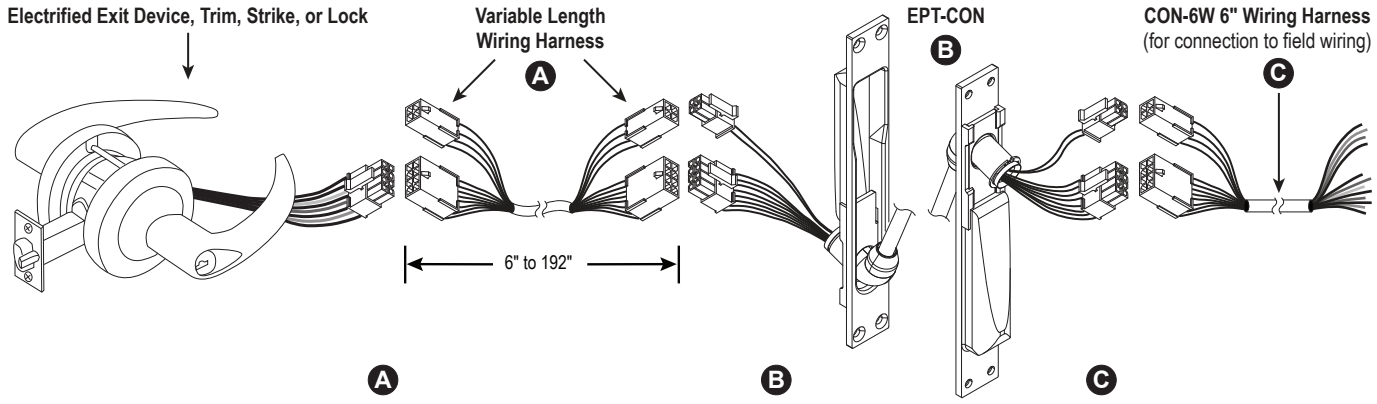
For use in tight fit applications such as routing through conduit or through a door.



** Stripped leads of CON-6W connect to field wiring. Field wiring from frame to power supply must be appropriate gauge (Variable Length Harnesses have 20 gauge wire and are not acceptable). Refer to wire gauge specifications in instructions for the particular electrified hardware.

Electric Power Transfer: EPT-10

See page 3 for system overview and wiring harness usage.

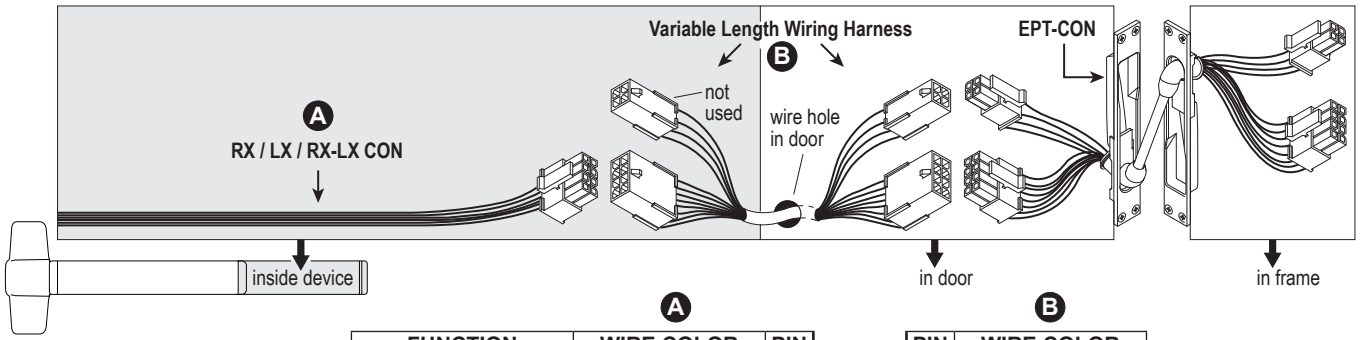


A			B			C	
	WIRE COLOR	PIN	PIN	EPT WIRE COLORS		PIN	WIRE COLOR
	Orange	1	1	Orange		1	Orange
	Brown	2	2	Brown		2	Brown
	Pink	3	3			3	Pink
	Tan	4	4			4	Tan
	Red	1	1	Red		1	Red
	Black	2	2	Black		2	Black
	Blue	3	3	Blue		3	Blue
	Yellow	4	4	Yellow		4	Yellow
	Green	5	5	Green		5	Green
	Gray	6	6	Gray		6	Gray
	Violet	7	7	Violet		7	Violet
	White	8	8	White		8	White

NOTE: Field wiring from frame to power supply must be appropriate gauge. Refer to wire gauge specifications in instructions for the particular hardware.

RX/LX/RX-LX Exit Device

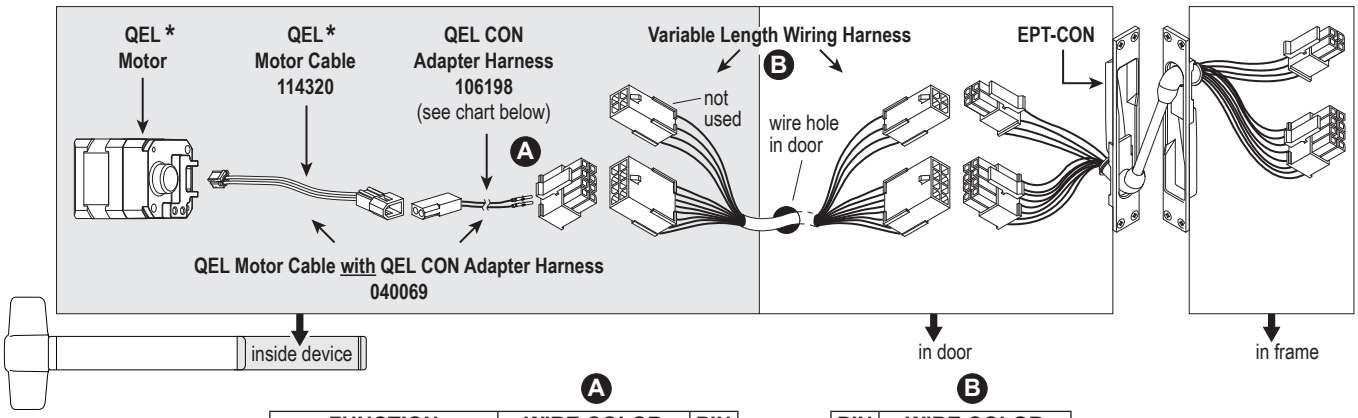
See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



A				B	
	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
Not Used			1	1	Red
			2	2	Black
RX/ RX-LC	Normally Open (NO)	Blue	3	3	Blue
	Normally Closed (NC)	Yellow	4	4	Yellow
	Common (C)	Red or Green	5	5	Green
LX LX-LC	Normally Open (NO)	Gray	6	6	Gray
	Normally Closed (NC)	Violet	7	7	Violet
	Common (C)	White or Black	8	8	White

QEL Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



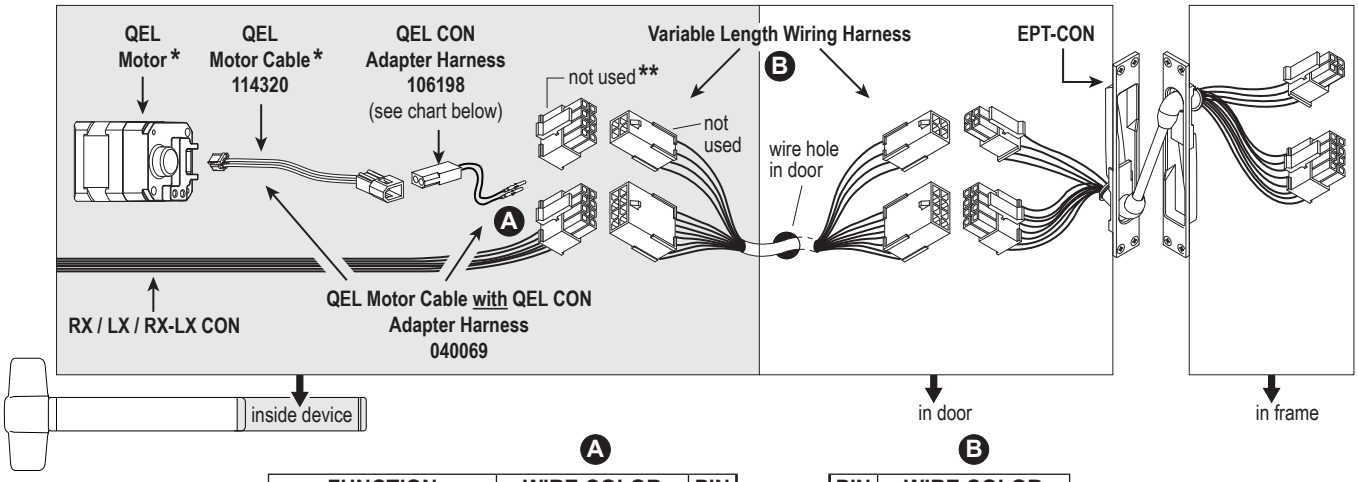
	A FUNCTION	A WIRE COLOR	A PIN		B PIN	B WIRE COLOR
QEL	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
Not Used			3		3	Blue
			4		4	Yellow
			5		5	Green
			6		6	Gray
			7		7	Violet
			8		8	White

* Motor and Motor Cable are standard, non-CON components.

NOTE: The 6' cable (110388) that is furnished with standard QEL devices is not furnished or required for CON applications.

QEL/(RX/LX/RX-LX) Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	A FUNCTION	A WIRE COLOR	A PIN		B PIN	B WIRE COLOR
QEL	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
RX/ RX-LC	Normally Open (NO)	Blue	3	→	3	Blue
	Normally Closed (NC)	Yellow	4	→	4	Yellow
	Common (C)	Red or Green	5	→	5	Green
LX/ LX-LC	Normally Open (NO)	Gray	6	→	6	Gray
	Normally Closed (NC)	Violet	7	→	7	Violet
	Common (C)	White or Black	8	→	8	White

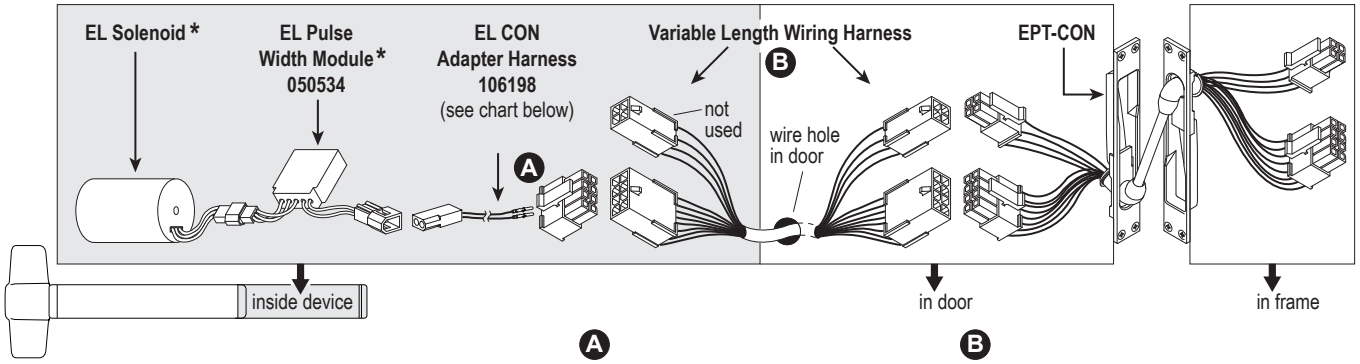
* Motor and Motor Cable are standard, non-CON components.

** Connector in 106198 not used since QEL wires go directly to switch connector.

NOTE: The 6' cable (110388) that is furnished with standard QEL devices is not furnished or required for CON applications.

EL Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



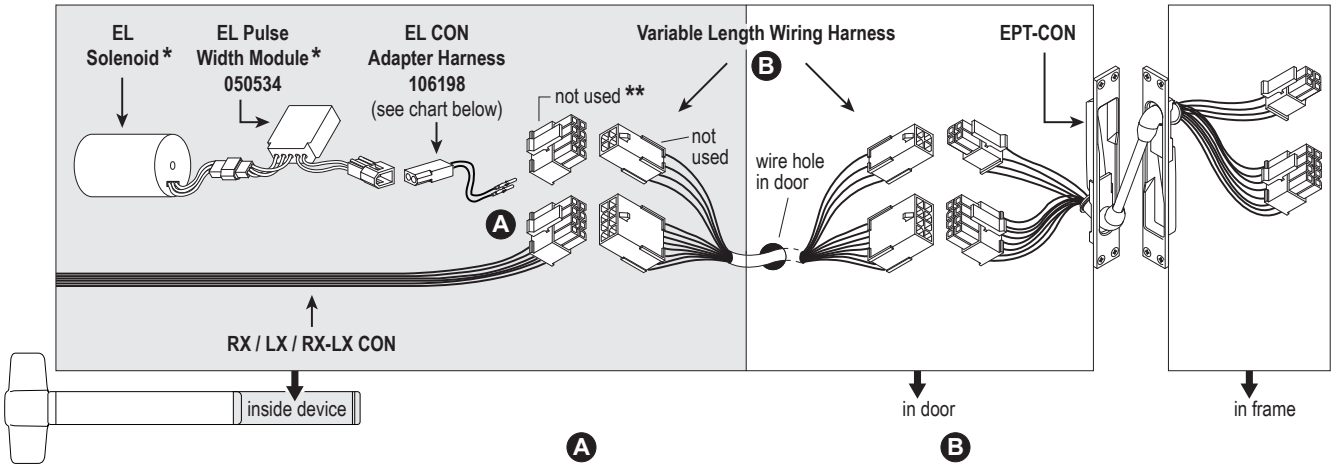
	A FUNCTION	A WIRE COLOR	A PIN		B PIN	B WIRE COLOR
EL	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
Not Used			3		3	Blue
			4		4	Yellow
			5		5	Green
			6		6	Gray
			7		7	Violet
			8		8	White

* Solenoid and Pulse Width Module are standard, non-CON components.

NOTE: The 6' cable (110388) that is furnished with standard EL devices is not furnished or required for CON applications.

EL/(RX/LX/RX-LX) Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	A FUNCTION	A WIRE COLOR	A PIN		B PIN	B WIRE COLOR
EL	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
RX/ RX-LC	Normally Open (NO)	Blue	3	→	3	Blue
	Normally Closed (NC)	Yellow	4	→	4	Yellow
	Common (C)	Red or Green	5	→	5	Green
LX/ LX-LC	Normally Open (NO)	Gray	6	→	6	Gray
	Normally Closed (NC)	Violet	7	→	7	Violet
	Common (C)	White or Black	8	→	8	White

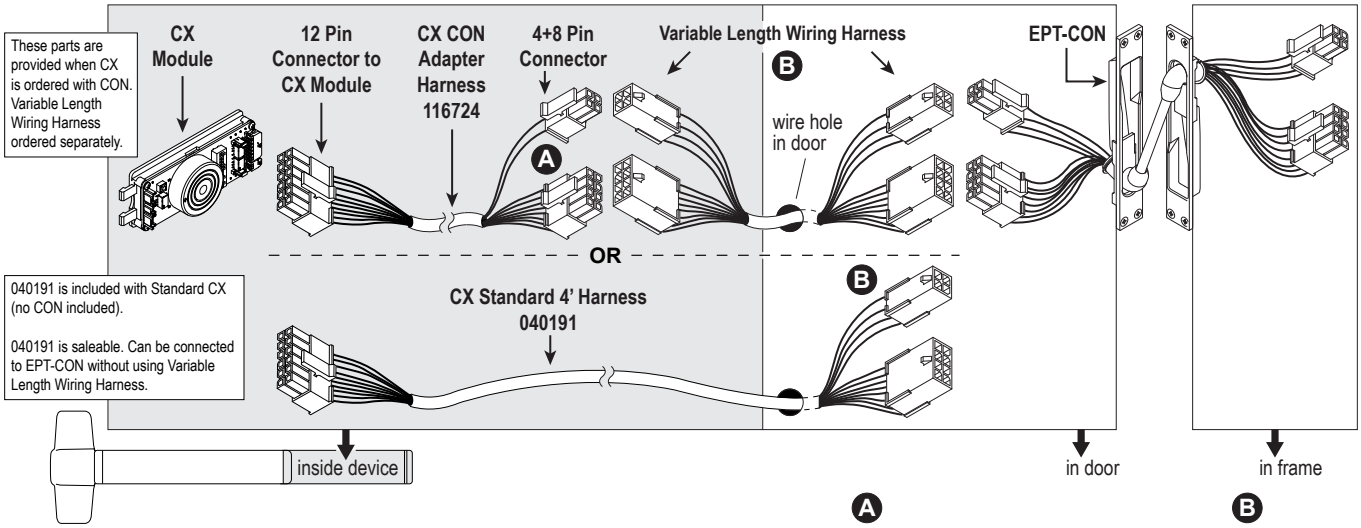
* Solenoid and Pulse Width Module are standard, non-CON components.

** Connector in 106198 not used since solenoid wires go directly to switch connector.

NOTE: The 6' cable (110388) that is furnished with standard EL devices is not furnished or required for CON applications.

CX (Chexit) Motor-Driven Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.

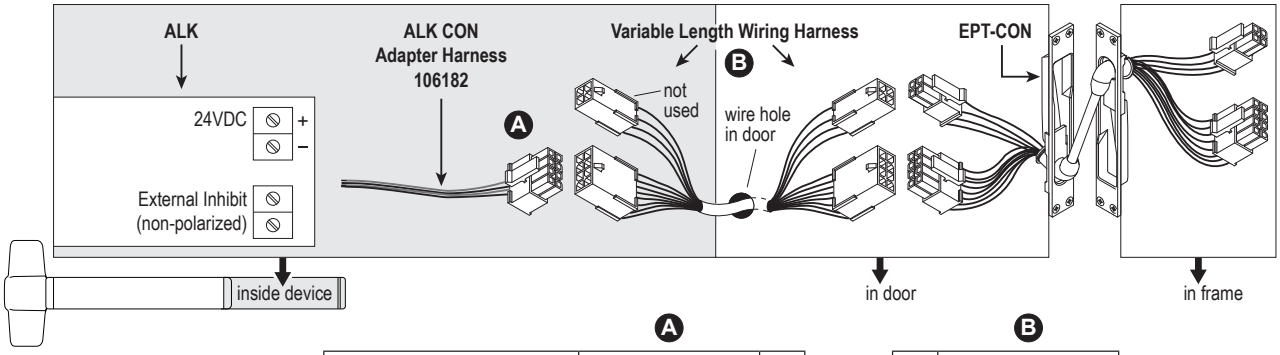


FUNCTION		WIRE COLOR	PIN		PIN	WIRE COLOR
Door Position Switch Input	DPS	Orange	1	→	1	Orange
Alarm Relay Output	NO/NC	Brown	2	→	2	Brown
Unused Wires		Pink	3	→	3	Pink
Unused Wires		Tan	4	→	4	Tan

Power Supply +24V Input	24VDC	Red	1	→	1	Red
Power Supply Ground	GND	Black	2	→	2	Black
Alarm Relay Output	COM	Blue	3	→	3	Blue
Fire Alarm Input	FA	Yellow	4	→	4	Yellow
Inhibit Input	INH	Green	5	→	5	Green
Gang Input/Output	GNG	Gray	6	→	6	Gray
Secure Relay Output	NO/NC	Violet	7	→	7	Violet
Secure Relay Output	COM	White	8	→	8	White

ALK Exit Device

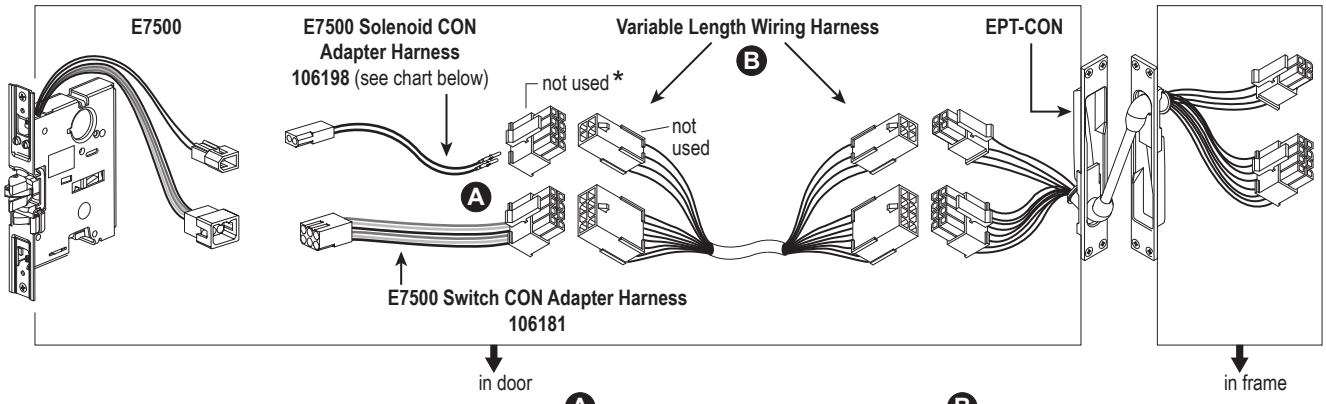
See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	A FUNCTION	A WIRE COLOR	A PIN	B PIN	B WIRE COLOR
ALK	To Power Supply +24VDC	Red	1	1	Red
	Power Supply Ground	Black	2	2	Black
	External Inhibit	Blue	3	3	Blue
	External Inhibit	Yellow	4	4	Yellow
Not Used			5	5	Green
			6	6	Gray
			7	7	Violet
			8	8	White

E7500 Mortise Lock

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.

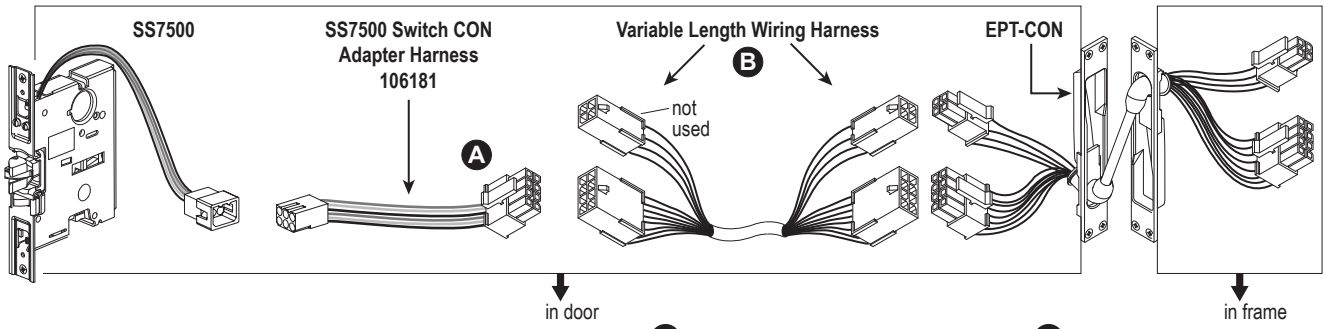


	A FUNCTION	A WIRE COLOR	A PIN	B PIN	B WIRE COLOR
E7500 Solenoid	Power	Black	1	1	Red
	Power	Black	2	2	Black
S1- monitors auxiliary bolt and latch bolt	Normally Closed (NC)	Yellow	3	3	Blue
	Normally Open (NO)	Blue	4	4	Yellow
	Common (C)	Red	5	5	Green
S2- monitors trim inputs (locked or unlocked)	Normally Closed (NC)	Violet	6	6	Gray
	Normally Open (NO)	Gray	7	7	Violet
	Common (C)	White	8	8	White

* Connector in 106198 not used since solenoid wires go directly to switch connector.

SS7500 Mortise Lock

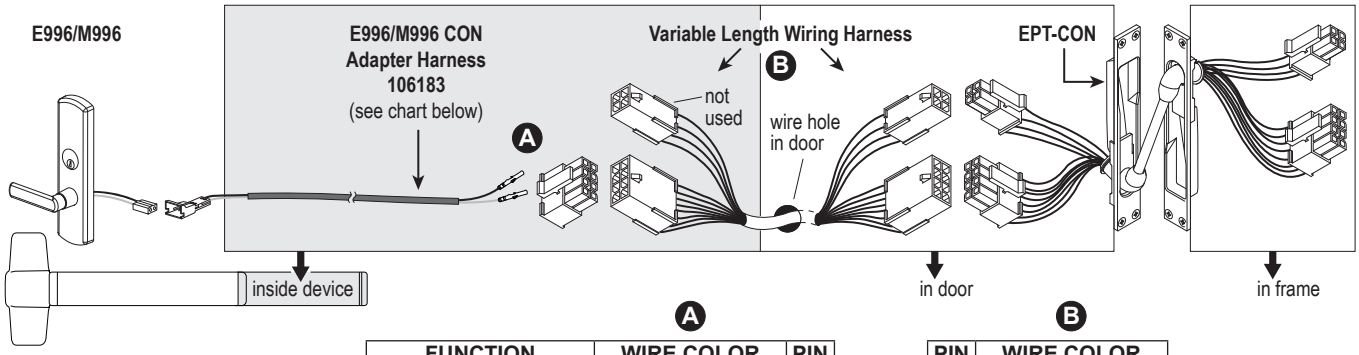
See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	A				B	
	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
Not Used			1	→	1	Red
			2	→	2	Black
S1- monitors auxiliary bolt and latch bolt	Normally Closed (NC)	Yellow	3	→	3	Blue
	Normally Open (NO)	Blue	4	→	4	Yellow
	Common (C)	Red	5	→	5	Green
S2- monitors trim inputs (locked or unlocked)	Normally Closed (NC)	Violet	6	→	6	Gray
	Normally Open (NO)	Gray	7	→	7	Violet
	Common (C)	White	8	→	8	White

E996/M996 Trim

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.

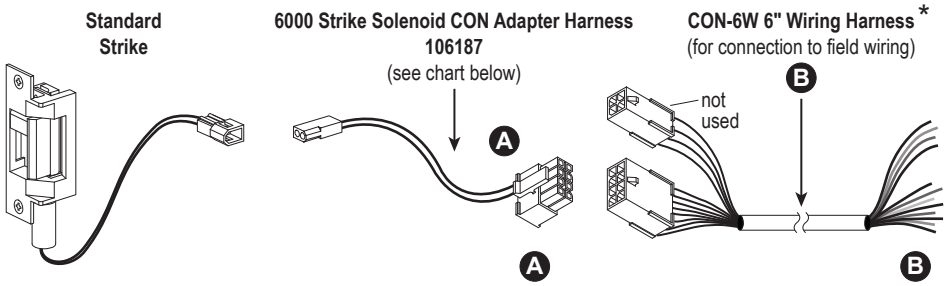


	A				B	
	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
E996/M996	Power	White	1	→	1	Red
	Power	Black	2	→	2	Black
Not Used			3	→	3	Blue
			4	→	4	Yellow
			5	→	5	Green
			6	→	6	Gray
			7	→	7	Violet
			8	→	8	White

NOTE: The Cable.10038 that is furnished with standard E996/M996 trim is not furnished or required for CON applications.

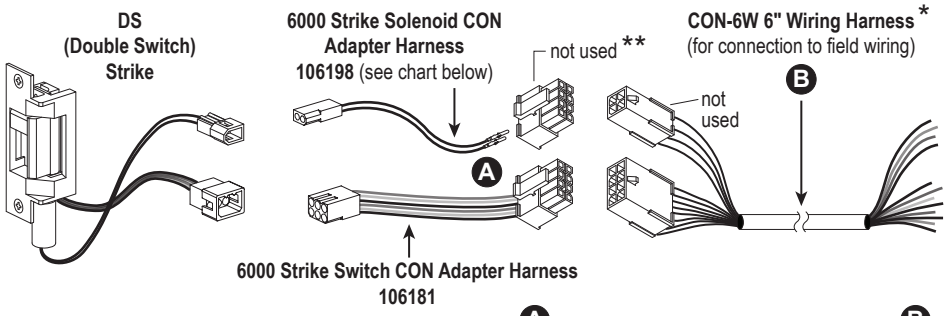
6100/6200 Series Electric Strikes

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
Solenoid	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
Not Used			3	→	3	Blue
			4	→	4	Yellow
			5	→	5	Green
			6	→	6	Gray
			7	→	7	Violet
			8	→	8	White

* 6" harness is for single door application. For double door application, specify variable length harness to connect electric strike to power transfer.



		FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
Solenoid		Power	Black	1	→	1	Red
		Power	Black	2	→	2	Black
Fail Secure (FSE) — DS Models Only	S1- monitors tripper	Normally Closed (NC)	Blue	3	→	3	Blue
		Normally Open (NO)	Yellow	4	→	4	Yellow
		Common (C)	Red	5	→	5	Green
	S2- monitors strike lip	Normally Closed (NC)	Gray	6	→	6	Gray
		Normally Open (NO)	Violet	7	→	7	Violet
		Common (C)	White	8	→	8	White

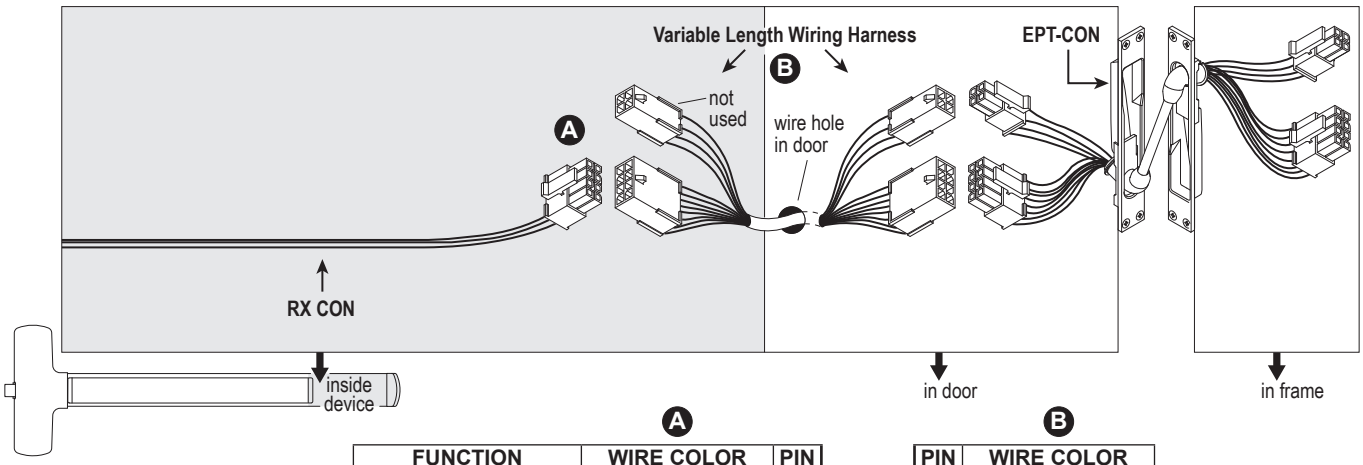
		FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
Solenoid		Power	Black	1	→	1	Red
		Power	Black	2	→	2	Black
Fail Safe (FS) — DS Models Only	S1- monitors tripper	Normally Closed (NC)	Blue	3	→	3	Blue
		Normally Open (NO)	Yellow	4	→	4	Yellow
		Common (C)	Red	5	→	5	Green
	S2- monitors strike lip	Normally Open (NO)	Gray	6	→	6	Gray
		Normally Closed (NC)	Violet	7	→	7	Violet
		Common (C)	White	8	→	8	White

* 6" harness is for single door application. For double door application, specify variable length harness to connect electric strike to power transfer.

** Connector in 106198 not used since solenoid wires go directly to switch connector.

RX Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



A

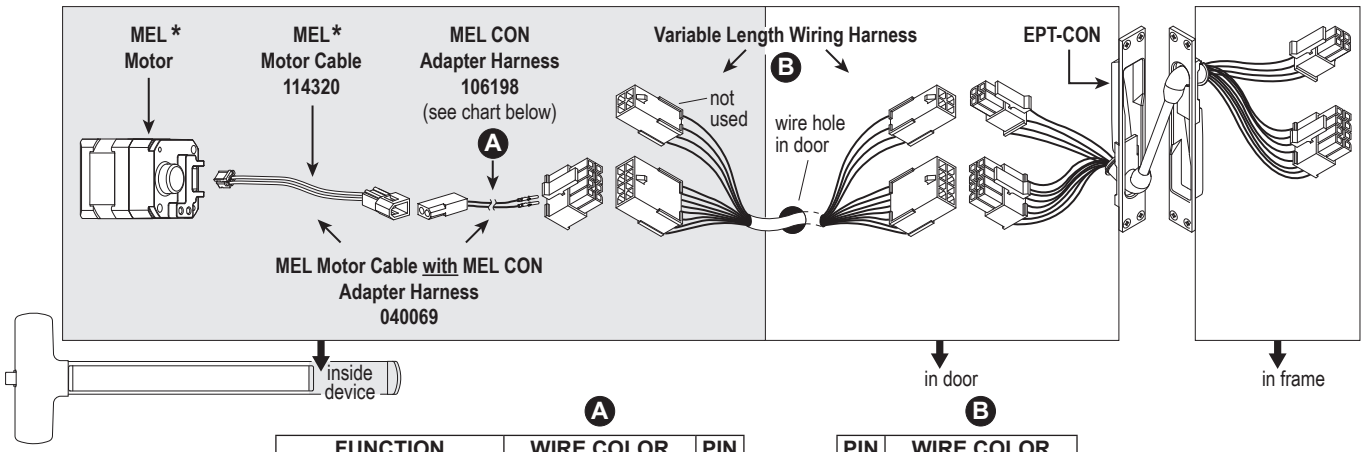
	FUNCTION	WIRE COLOR	PIN
			1
			2
RX	Normally Open (NO)	Violet	3
	Normally Closed (NC)	Gray	4
	Common (C)	Black	5
			6
			7
			8

B

PIN	WIRE COLOR
1	Red
2	Black
3	Blue
4	Yellow
5	Green
6	Gray
7	Violet
8	White

MEL Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



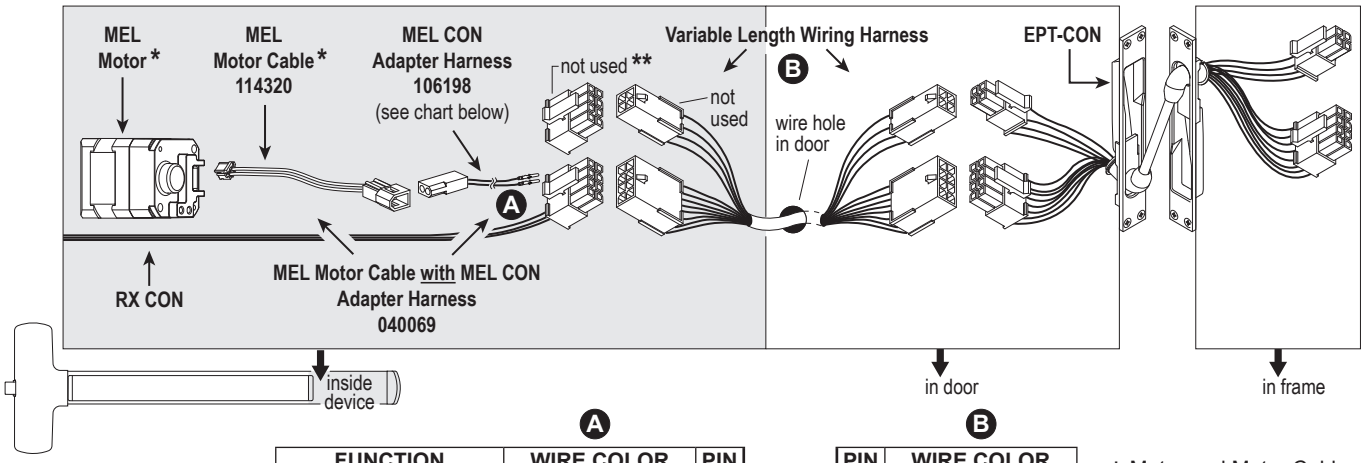
	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
MEL	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
Not Used			3	→	3	Blue
			4	→	4	Yellow
			5	→	5	Green
			6	→	6	Gray
			7	→	7	Violet
			8	→	8	White

* Motor and Motor Cable are standard, non-CON components.

NOTE: The 6' cable (110388) that is furnished with standard EL devices is not furnished or required for CON applications.

MEL/RX Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
MEL	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
RX	Normally Open (NO)	Violet	3	→	3	Blue
	Normally Closed (NC)	Gray	4	→	4	Yellow
	Common (C)	Black	5	→	5	Green
Not Used			6	→	6	Gray
			7	→	7	Violet
			8	→	8	White

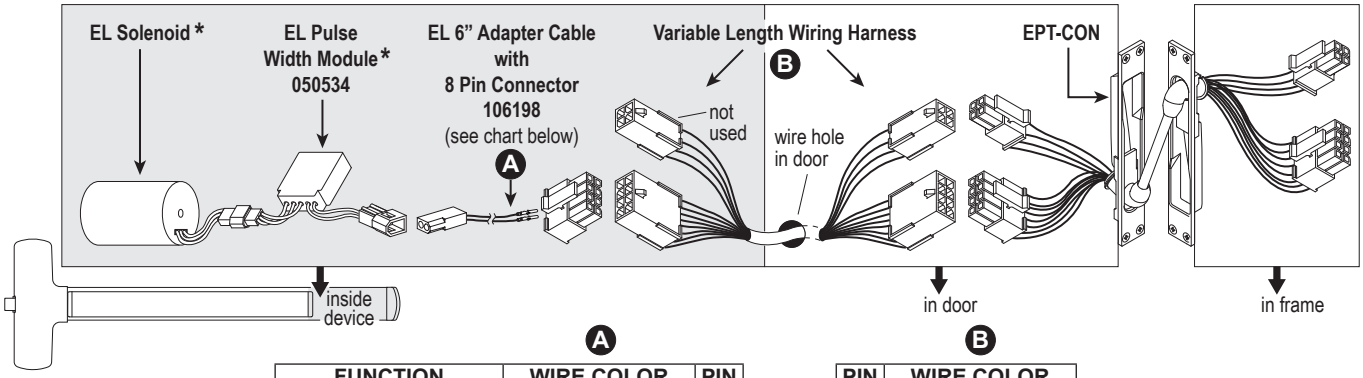
* Motor and Motor Cable are standard, non-CON components.

** Connector in 106198 not used since MEL wires go directly to switch connector.

NOTE: The 6' cable (47269206) that is furnished with standard MEL devices is not furnished or required for CON applications.

EL Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



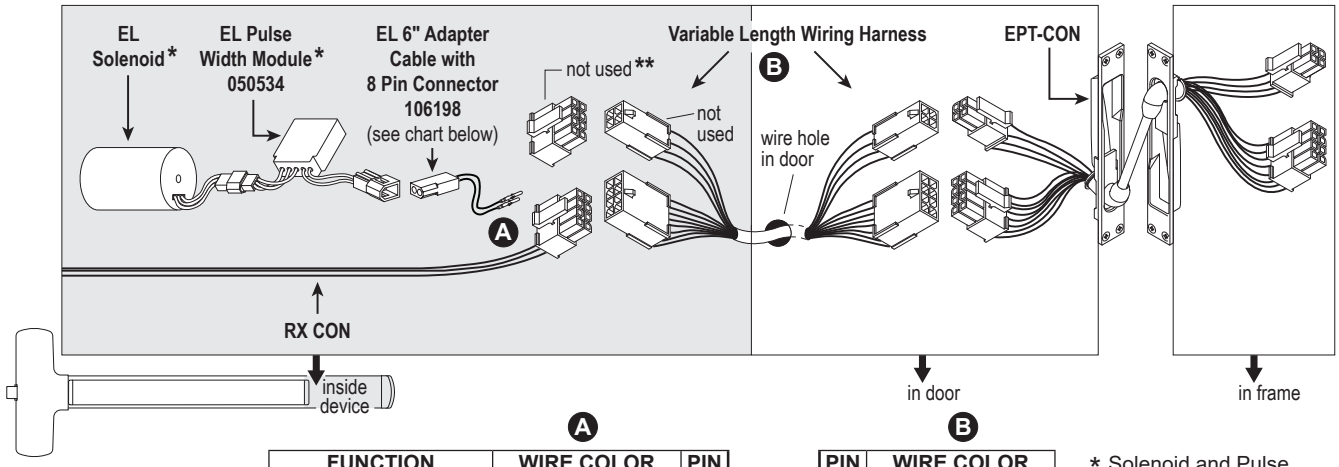
	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
EL	Power	Black	1	1	Red
	Power	Black	2	2	Black
Not Used			3	3	Blue
			4	4	Yellow
			5	5	Green
			6	6	Gray
			7	7	Violet
			8	8	White

* Solenoid and Pulse Width Module are standard, non-CON components.

NOTE: The 6' cable (110388) that is furnished with standard EL devices is not furnished or required for CON applications.

EL/RX Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
EL	Power	Black	1	1	Red
	Power	Black	2	2	Black
RX	Normally Open (NO)	Violet	3	3	Blue
	Normally Closed (NC)	Gray	4	4	Yellow
	Common (C)	Black	5	5	Green
Not Used			6	6	Gray
			7	7	Violet
			8	8	White

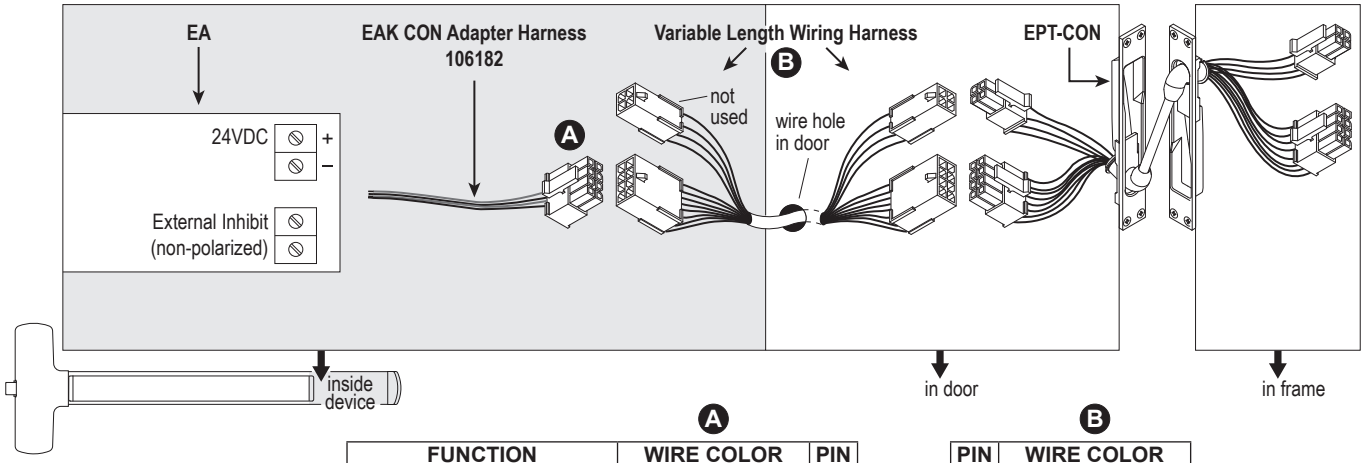
* Solenoid and Pulse Width Module are standard, non-CON components.

** Connector in 106198 not used since EL wires go directly to RX connector.

NOTE: The 6' cable (110388) that is furnished with standard EL devices is not furnished or required for CON applications.

EA (Exit Alarm) Exit Device

See page 3 for system overview and wiring harness usage. Colors shown below at wiring harness should remain consistent throughout the EPT or hinge and harness outside of frame.



	A				B	
	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
EA	To Power Supply +24VDC	Red	1	→	1	Red
	Power Supply Ground	Black	2	→	2	Black
	External Inhibit	Blue	3	→	3	Blue
	External Inhibit	Yellow	4	→	4	Yellow
Not Used			5		5	Green
			6		6	Gray
			7		7	Violet
			8		8	White

T-Series Electrified Locks (T851/T881)

Electrical Specifications:

Fail Safe/Fail Secure
.65 AMP @ 12 VDC
.32 AMP @ 24 VDC

T851 Storeroom Fail Safe:

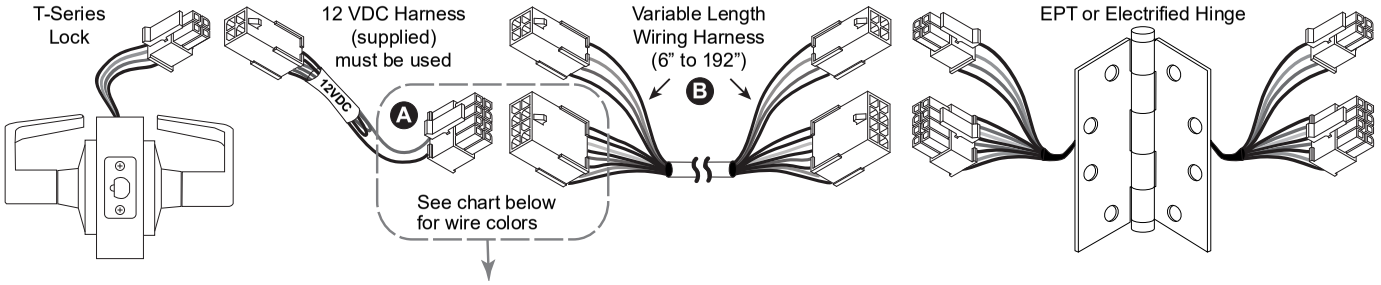
Deadlocking latch bolt operated by lever from either side, except when outer lever is electrically locked. When outer lever is locked (inoperable), latch bolt retracted by key in cylinder outside. Inside lever is always free.

T881 Storeroom Fail Secure:

Deadlocking latch bolt operated by lever inside at all times. Outside lever is inoperable until electrically unlocked, then latch bolt is operable from either side. When outside lever is inoperable, latch bolt retracted by key in cylinder outside.

T851/T881 (12 VDC)

12 VDC Configuration Shown

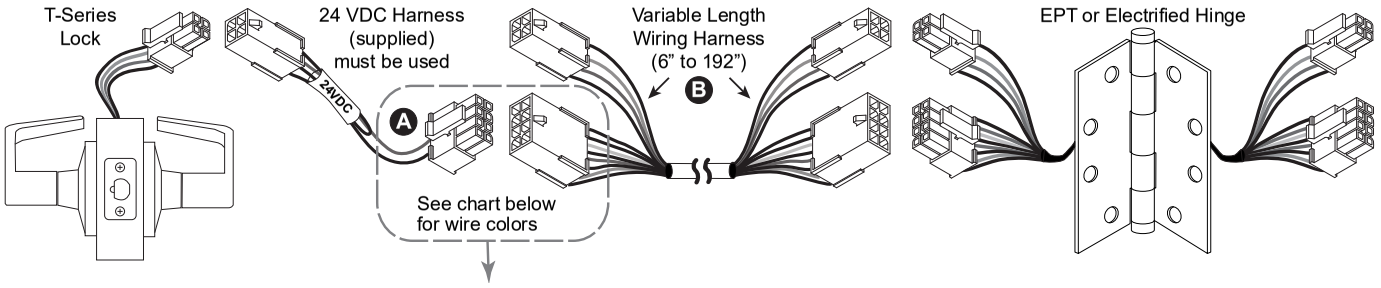


Power Only - T851, T881

		A Lock Connector			B Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
EL / EU	Power	Red	1	->	1	Red
	Power	Black	2	->	2	Black
Not Used			3		3	Blue
			4		4	Yellow
			5		5	Green
			6		6	Gray
			7		7	Violet
			8		8	White

T851/T881 (24 VDC)

24 VDC Configuration Shown



Power Only - T851, T881

		A Lock Connector			B Harness Connector	
PURPOSE	**FUNCTION**	**WIRE COLOR**	**PIN**		**PIN**	**WIRE COLOR**
EL / EU	Power	Red	1	->	1	Red
	Power	Black	2	->	2	Black
Not Used			3		3	Blue
			4		4	Yellow
			5		5	Green
			6		6	Gray
			7		7	Violet
			8		8	White

MA-Series Electrified Lock

Electrical Specifications:

Fail Safe/Fail Secure
.65 AMP @ 12 VDC
.32 AMP @ 24 VDC

MA851 Storeroom Fail Safe/Electrified EL:

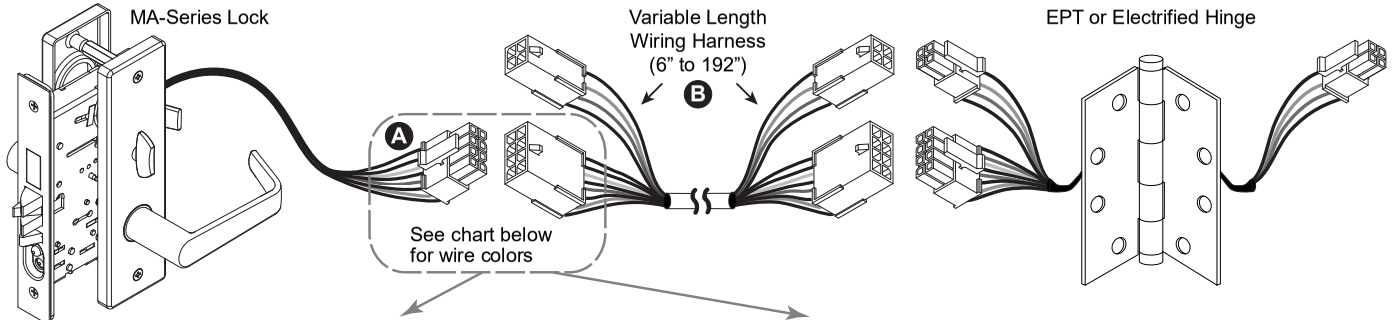
Latch bolt operated by knob/lever from either side except when outer knob/lever is electrically locked. When outer knob/lever is locked, latch bolt retracted by key in cylinder outside. Deadlocking latch. Inside knob/lever always free for immediate egress. Specify 12 or 24 VDC.

MA881 Storeroom Fail Secure/Electrified EU:

Latch bolt operated by knob/lever from inside except when outer knob/lever is electrically unlocked, then latch bolt from either side. When locked, key in cylinder outside retracts latch bolt. Deadlocking latch. Inside knob/lever always free for immediate egress. Specify 12 or 24 VDC.

MA851/MA881 (12 and 24 VDC)

12 VDC Configuration (2 Black Power Wires)
24 VDC Configuration (2 White Power Wires)



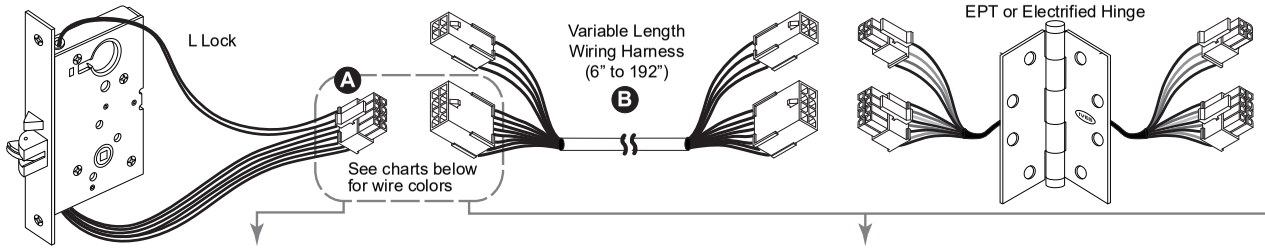
Power Only - MA851, MA881

		A Lock Connector			B Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
EL / EU	Power	Black/White	1	→	1	Red
	Power	Black/White	2	→	2	Black
Not Used			3		3	Blue
			4		4	Yellow
			5		5	Green
			6		6	Gray
			7		7	Violet
			8		8	White

MA851-RX, MA881-RX

		A Lock Connector			B Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
EL / EU	Power	Black/White	1	→	1	Red
	Power	Black/White	2	→	2	Black
Not Used			3	→	3	Blue
Not Used			4	→	4	Yellow
RX	Common	Orange	5	→	5	Green
	RX Switch NO	Green	6	→	6	Gray
Not Used			7	→	7	Violet
Not Used			8		8	White

L Series Locks (8-pin connector)



Power Only - 909XEL/EU, L949XEL/EU

8-Pin		A Lock Connector			B Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
EL / EU	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
Not Used			3		3	Blue
			4		4	Yellow
			5		5	Green
			6		6	Gray
			7		7	Violet
			8		8	White

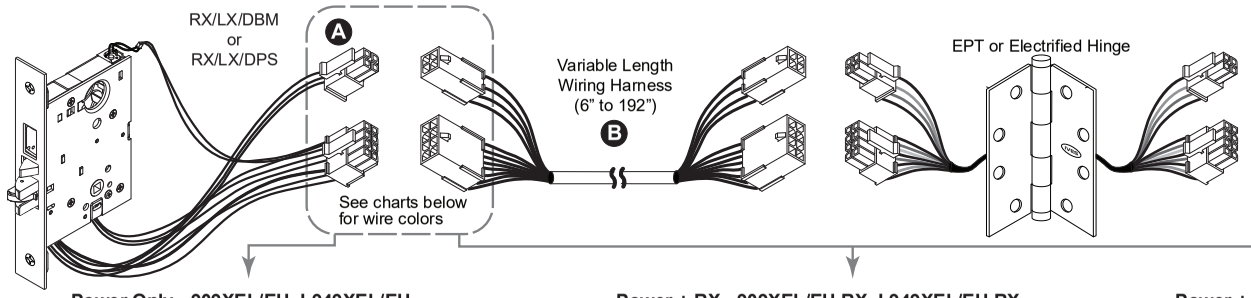
Power + RX - 909XEL/EU RX, L949XEL/EU RX

8-Pin		A Lock Connector			B Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
EL / EU	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
RX	Normally Open (NO)	Blue	3	→	3	Blue
	Normally Closed (NC)	Yellow	4	→	4	Yellow
	Common (C)	Green	5	→	5	Green
Not Used			6		6	Gray
			7		7	Violet
			8		8	White

Power + RX + LX - 909XEL/EU RX LX, L949XEL/EU RX LX

8-Pin		A Lock Connector			B Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN		PIN	WIRE COLOR
EL / EU	Power	Black	1	→	1	Red
	Power	Black	2	→	2	Black
RX	Normally Open (NO)	Blue	3	→	3	Blue
	Normally Closed (NC)	Yellow	4	→	4	Yellow
	Common (C)	Green	5	→	5	Green
LX	Normally Open (NO)	Gray	6	→	6	Gray
	Normally Closed (NC)	Violet	7	→	7	Violet
	Common (C)	White	8	→	8	White

L Series Locks (8-pin + 4-pin connector)



Power Only - 909XEL/EU, L949XEL/EU

8-Pin

Lock Connector				Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
EL / EU	Power	Black	1	1	Red
	Power	Black	2	2	Black
Not Used			3	3	Blue
			4	4	Yellow
			5	5	Green
			6	6	Gray
			7	7	Violet
			8	8	White

Power + RX - 909XEL/EU RX, L949XEL/EU RX

8-Pin

Lock Connector				Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
EL / EU	Power	Black	1	1	Red
	Power	Black	2	2	Black
RX	Normally Open (NO)	Blue	3	3	Blue
	Normally Closed (NC)	Yellow	4	4	Yellow
	Common (C)	Green	5	5	Green
Not Used			6	6	Gray
			7	7	Violet
			8	8	White

Power + RX + LX - 909XEL/EU RX LX, L949XEL/EU RX LX

8-Pin

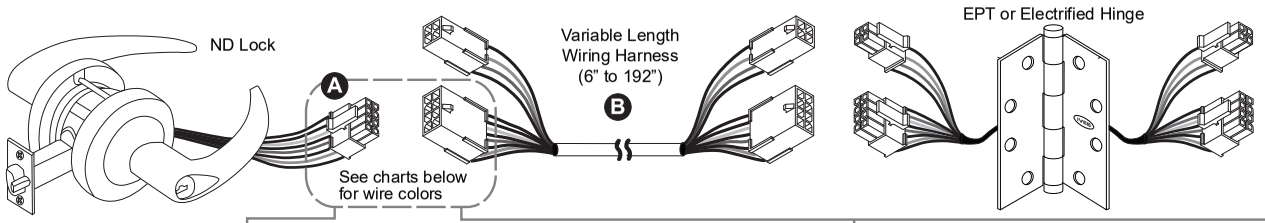
Lock Connector				Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
EL / EU	Power	Black	1	1	Red
	Power	Black	2	2	Black
RX	Normally Open (NO)	Blue	3	3	Blue
	Normally Closed (NC)	Yellow	4	4	Yellow
	Common (C)	Green	5	5	Green
LX	Normally Open (NO)	Gray	6	6	Gray
	Normally Closed (NC)	Violet	7	7	Violet
	Common (C)	White	8	8	White

+ DBM (deadbolt monitor) or DPS (door position switch)

4-Pin

Lock Connector				Harness Connector	
PURPOSE	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
DBM	Normally Open (NO)	Orange	1	1	Orange
	Normally Closed (NC)	Brown	2	2	Brown
	Common (C)	Pink	3	3	Pink
	not used		4	4	Tan
DPS	Normally Open (NO)	Green/Black	1	1	Orange
	Normally Closed (NC)	Red	2	2	Brown
	Common (C)	White/Black	3	3	Pink
	not used		4	4	Tan

ND Series Locks



Power Only - 12EL/EU, 80EL/EU, 96EL/EU

		Lock Connector (A)		Harness Connector (B)	
PURPOSE	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
EL / EU	Power	Black	1	1	Red
	Power	Red	2	2	Black
Not Used			3	3	Blue
			4	4	Yellow
			5	5	Green
			6	6	Gray
			7	7	Violet
			8	8	White

Power + RX - 12EL/EU RX, 80EL/EU RX, 96EL/EU RX

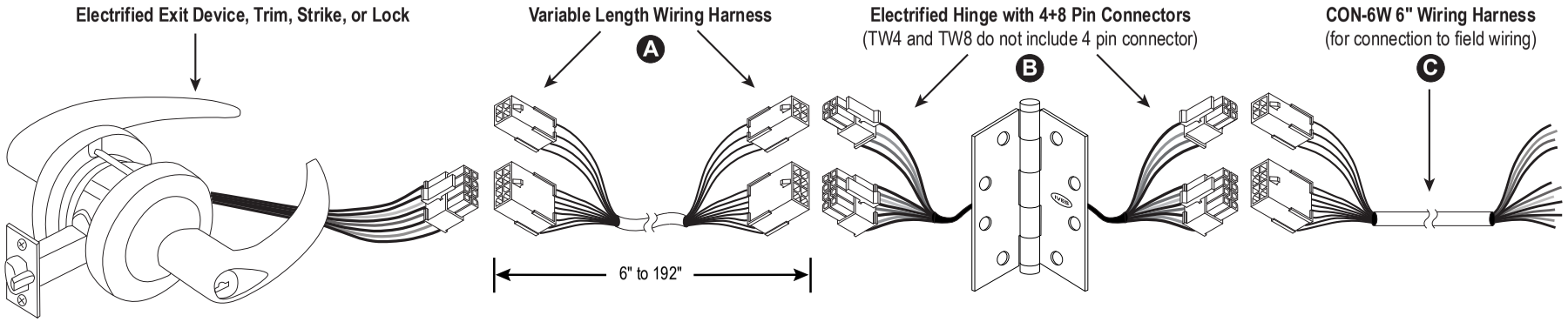
		Lock Connector (A)		Harness Connector (B)	
PURPOSE	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
EL / EU	Power	Black	1	1	Red
	Power	Red	2	2	Black
RX	Normally Open (NO)	Violet	3	3	Blue
	Normally Closed (NC)	Gray	4	4	Yellow
	Common (C)	White	5	5	Green
Not Used			6	6	Gray
			7	7	Violet
			8	8	White

RX Only - 10 RX, 12 RX, 80 RX, 96 RX

		Lock Connector (A)		Harness Connector (B)	
PURPOSE	FUNCTION	WIRE COLOR	PIN	PIN	WIRE COLOR
Not Used			1	1	Red
			2	2	Black
RX	Normally Open (NO)	Violet	3	3	Blue
	Normally Closed (NC)	Gray	4	4	Yellow
	Common (C)	White	5	5	Green
Not Used			6	6	Gray
			7	7	Violet
			8	8	White

3CB1/5BB1 TW/TWM Architectural Hinge

The TW4 MON, TW8 MON, and TW12 Electrified Hinges are supplied with Allegion Connect 8 pin and 4 pin connectors. The TW4 and TW8 Electrified Hinges are supplied with Allegion Connect 8 pin connectors.

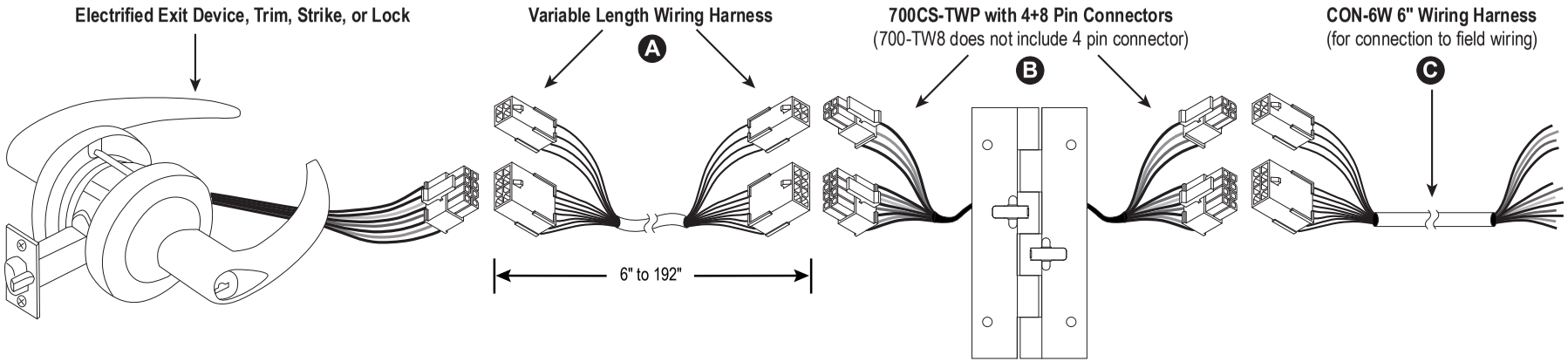


A				B	B	B	B	B		C	
	WIRE COLOR	PIN		PIN	TW4 HINGE WIRE COLORS	TW4 MON HINGE WIRE COLORS	TW8 HINGE WIRE COLORS	TW8 MON HINGE WIRE COLORS	TW12 HINGE WIRE COLORS	PIN	PIN	WIRE COLOR
	Orange	1	→	1		Green		Green	Orange	1	1	Orange
	Brown	2	→	2		Black		Black	Brown	2	2	Brown
	Pink	3	→	3		White		White	Pink	3	3	Pink
	Tan	4	→	4					Tan	4	4	Tan
	Red	1	→	1	Red	Red	Red	Red	Red	1	1	Red
	Black	2	→	2	Yellow	Yellow	Yellow	Yellow	Yellow	2	2	Black
	Blue	3	→	3	Violet	Violet	Violet	Violet	Violet	3	3	Blue
	Yellow	4	→	4	Gray	Gray	Gray	Gray	Gray	4	4	Yellow
	Green	5	→	5			White / Red	White / Red	White / Red	5	5	Green
	Gray	6	→	6			White / Yellow	White / Yellow	White / Yellow	6	6	Gray
	Violet	7	→	7			White / Violet	White / Violet	White / Violet	7	7	Violet
	White	8	→	8			White / Gray	White / Gray	White / Gray	8	8	White

NOTE: Field wiring from frame to power supply must be appropriate gauge. Refer to wire gauge specifications in instructions for the particular hardware.

700-TW8/700CS-TWP Continuous Hinge

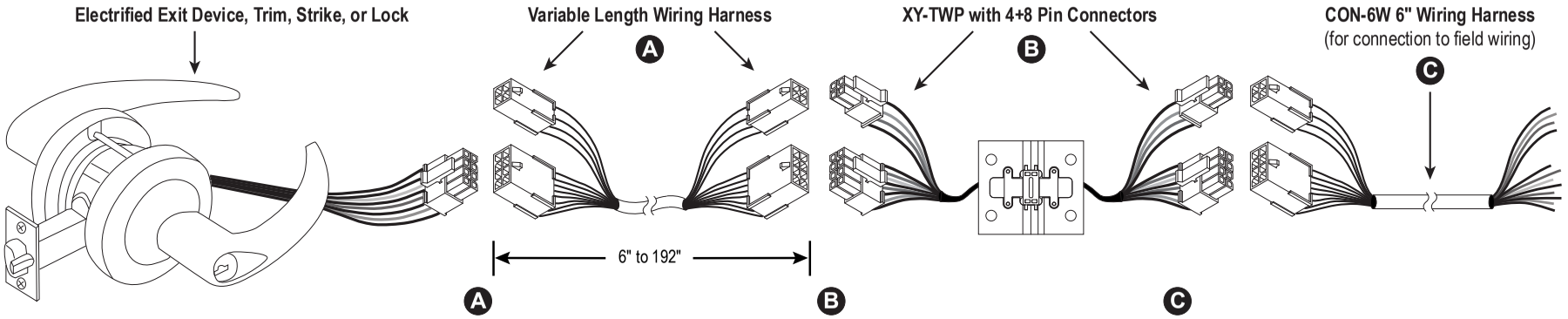
The 700-TW8 is supplied with Allegion Connect 8 pin connectors. The 700CS-TWP is supplied with Allegion Connect 8 pin and 4 pin connectors.



		A			B	B			C	
		WIRE COLOR	PIN		PIN	700-TW8 WIRE COLORS	700CS-TWP WIRE COLORS	PIN	PIN	WIRE COLOR
700CS-TWP		Orange	1	→	1		Orange	1	1	Orange
		Brown	2	→	2		Brown	2	2	Brown
		Pink	3	→	3		Red with Yellow Stripe	3	3	Pink
		Tan	4	→	4		Black with Yellow Stripe	4	4	Tan
	700-TW8	Red	1	→	1	Red	Red	1	1	Red
		Black	2	→	2	Black	Black	2	2	Black
		Blue	3	→	3	Blue	Blue	3	3	Blue
		Yellow	4	→	4	Yellow	Yellow	4	4	Yellow
		Green	5	→	5	Green	Green	5	5	Green
		Gray	6	→	6	Orange	Gray	6	6	Gray
		Violet	7	→	7	Violet	Violet	7	7	Violet
		White	8	→	8	White	White	8	8	White

NOTE: Field wiring from frame to power supply must be appropriate gauge. Refer to wire gauge specifications in instructions for the particular hardware.

112XY/224XY-TWP Continuous Hinge

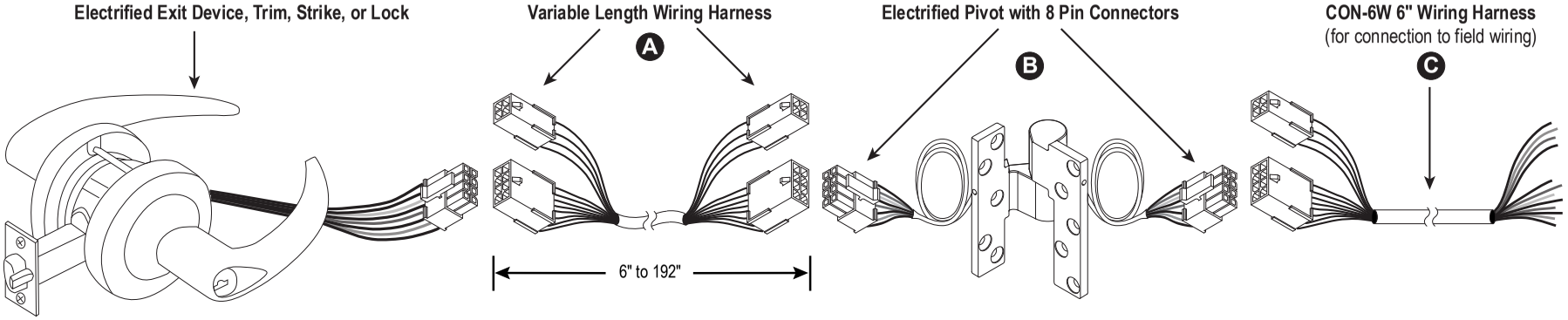


	WIRE COLOR	PIN		PIN	XY-TWP WIRE COLORS	PIN		PIN	WIRE COLOR
	Red	1	→	1	Orange	1	→	1	Red
	Black	2	→	2	Brown	2	→	2	Black
	Blue	3	→	3	Red with Yellow Stripe	3	→	3	Blue
	Yellow	4	→	4	Black with Yellow Stripe	4	→	4	Yellow
	Red	1	→	1	Red	1	→	1	Red
	Black	2	→	2	Black	2	→	2	Black
	Blue	3	→	3	Blue	3	→	3	Blue
	Yellow	4	→	4	Yellow	4	→	4	Yellow
	Green	5	→	5	Green	5	→	5	Green
	Gray	6	→	6	Gray	6	→	6	Gray
	Violet	7	→	7	Violet	7	→	7	Violet
	White	8	→	8	White	8	→	8	White

NOTE: Field wiring from frame to power supply must be appropriate gauge. Refer to wire gauge specifications in instructions for the particular hardware.

Intermediate and Pocket Pivots

The TW4 and TW8 Electrified Pivots are supplied with Allegion Connect 8 pin connectors.



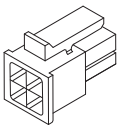
A				B	B			C	
	WIRE COLOR	PIN		PIN	TW4 PIVOT WIRE COLORS	TW8 PIVOT WIRE COLORS	PIN		PIN	WIRE COLOR
	Orange	1	→	1			1	→	1	Orange
	Brown	2	→	2			2	→	2	Brown
	Pink	3	→	3			3	→	3	Pink
	Tan	4	→	4			4	→	4	Tan
	Red	1	→	1	Red	Red	1	→	1	Red
	Black	2	→	2	Yellow	Yellow	2	→	2	Black
	Blue	3	→	3	Violet	Violet	3	→	3	Blue
	Yellow	4	→	4	Gray	Gray	4	→	4	Yellow
	Green	5	→	5	-	White / Red	5	→	5	Green
	Gray	6	→	6	-	White / Yellow	6	→	6	Gray
	Violet	7	→	7	-	White / Violet	7	→	7	Violet
	White	8	→	8	-	White / Gray	8	→	8	White

NOTE: Field wiring from frame to power supply must be appropriate gauge. Refer to wire gauge specifications in instructions for the particular hardware.

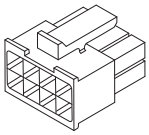
NOTE: Applies for 7215/7226/7227 PT INT, 7215F/7226F/7227F PT INT, 7230F/7237F PT INT, E91105F.

Connector Kit

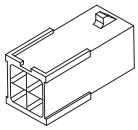
Included in Kit (CON-KIT 050823):



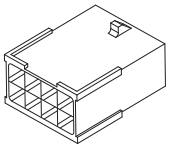
4-pin Male Connectors
(Qty. 10)



8-pin Male Connectors
(Qty. 10)

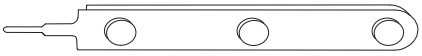


4-pin Female Connectors
(Qty. 10)



8-pin Female Connectors
(Qty. 10)

Female Terminals (Qty. 100)
compatible with 20-24 gauge wires



Extraction Tool
See next page for instructions

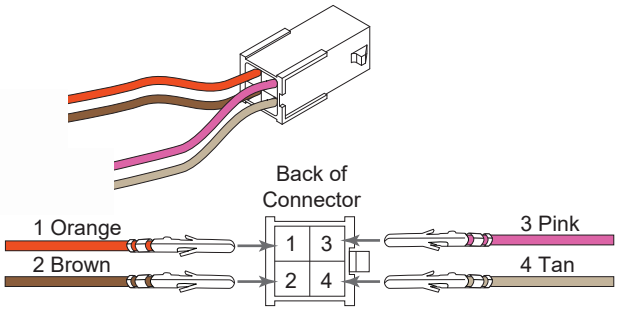
Male Terminals (Qty. 100)
compatible with 20-24 gauge wires

Not Included in Kit:

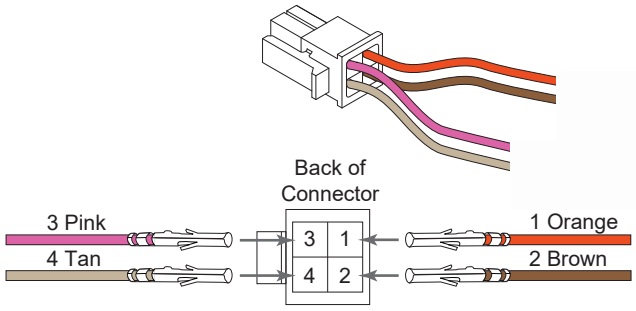
Crimping Tool
Can be purchased elsewhere (Molex part number 63819-0000)
This will be required to install terminals on loose wires

Wire Color to Pin Alignment

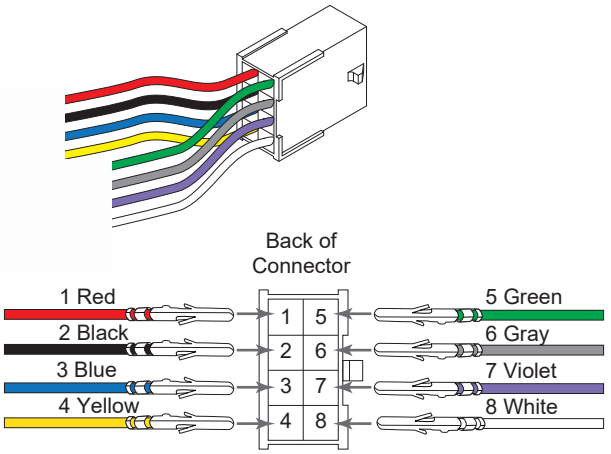
4 Pin Female



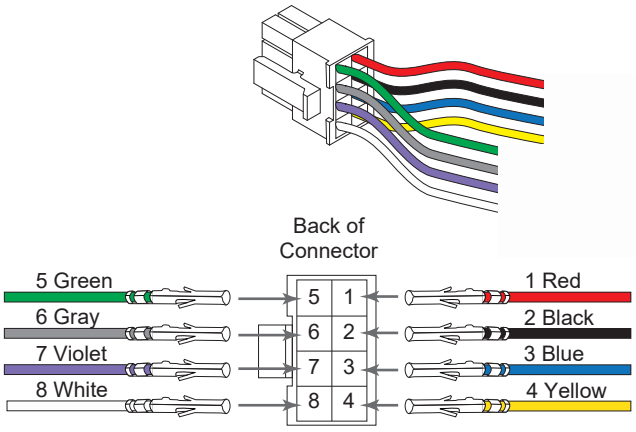
4 Pin Male



8 Pin Female

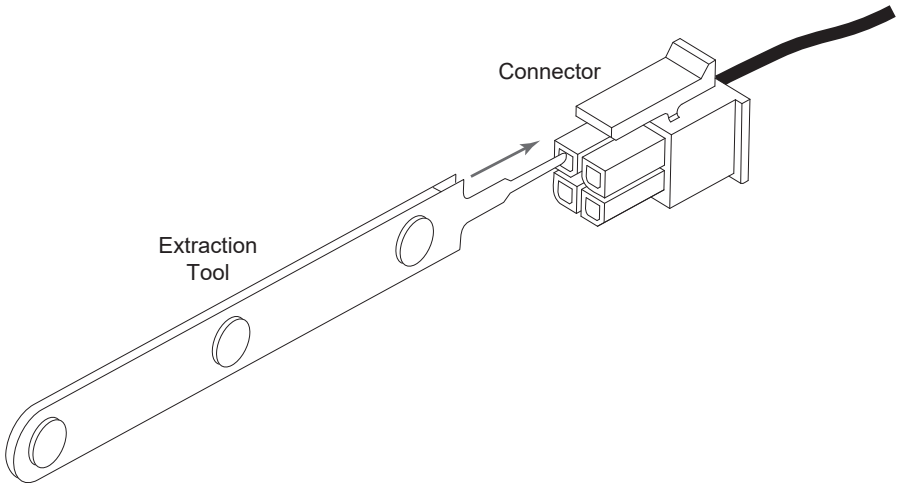


8 Pin Male



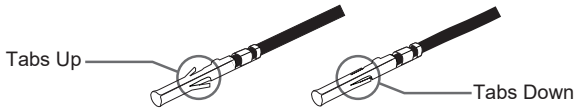
Extraction Tool Instructions

1 Insert extractor tool tip into front of connector on either side of the terminal until it stops.



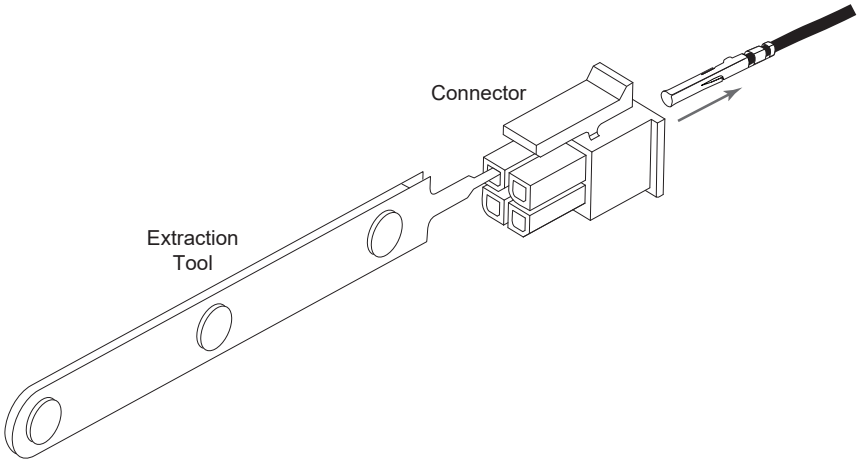
2 Rotate tool clockwise then counter-clockwise approximately 25º to 30º in each direction, once or twice.

3 Repeat steps 1 and 2 on the opposite side of terminal until tabs are bent down.



4 Pull wire out of back of connector housing.

NOTE: Removal damages the terminal locking tangs. The terminal is not reusable.



About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a $2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises 27 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit **www.allegion.com**.

aptiQ ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN

110380, Rev. 10/20-5.0.5

Customer Service

1-877-671-7011 www.allegion.com/us

ALLEGION™