

How to install the Rytec Pathwatch® II

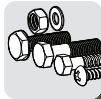
	⚠ CAUTION
	Do not look directly at the Pathwatch® II when the light is on.

NOTICE
Contact Rytec Technical support at 800-628-1909 if you have questions about these instructions.

Before you begin

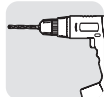
1 Make sure that you have all supplies and tools.

Supplies that you provide



Mounting hardware for the mounting bracket

Tools you will need

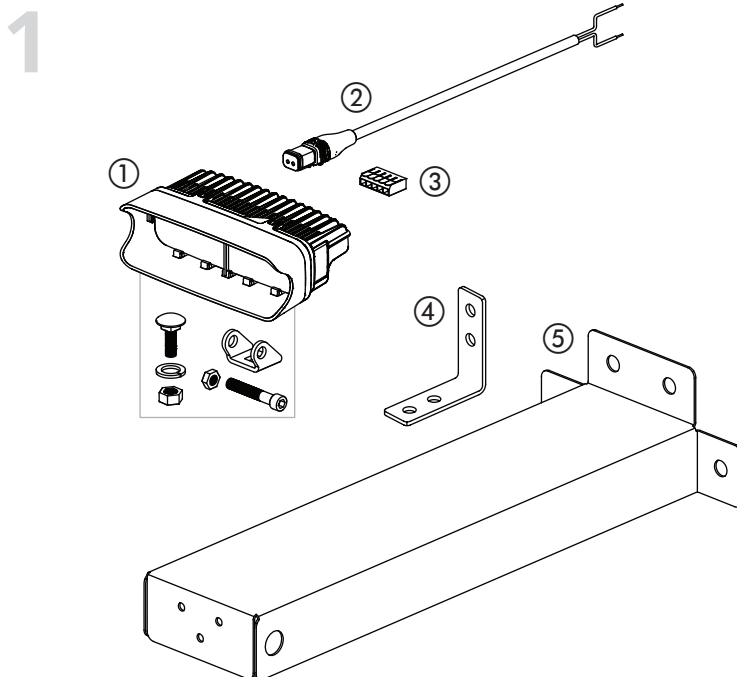


Power drill and step drill bit (if additional hole needed in control box)



Cement drill (if needed to mount the bracket)

How to install the Rytec Pathwatch® II



1210702-0B Single Pathwatch kit

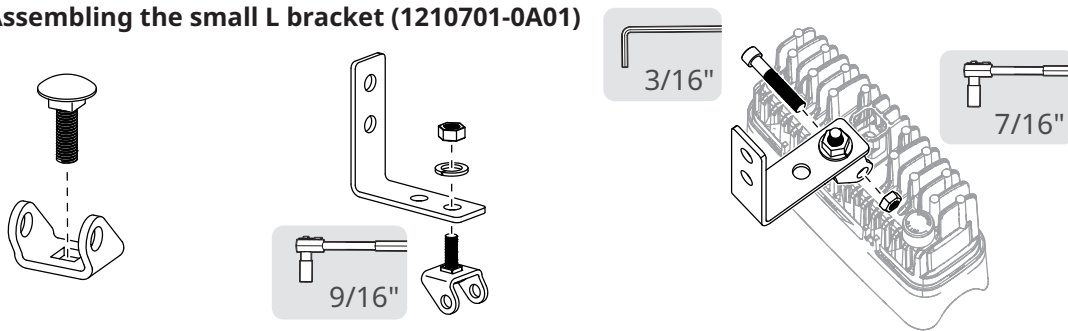
ID	Part No.	Description	Qty.
①	00122061	Pathwatch unit (includes hardware shown)	1
②	00122062	Cable, 8 meters	1
③	00112127	5-position jumper block	3
④	1210701-0A01	L bracket, small	1

1210702-0A Double Pathwatch kit

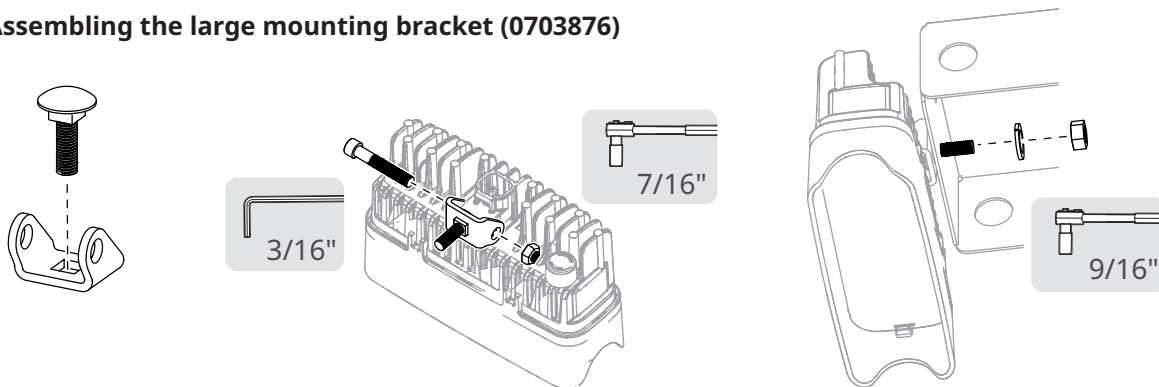
ID	Part No.	Description	Qty.
①	00122061	Pathwatch unit (includes hardware shown)	2
②	00122062	Cable, 8 meters	2
③	00112127	5-position jumper block	3
④	1210701-0A01	L bracket, small	2
⑤	0703876	Large mounting bracket	1

Suggested mounting configurations. Other configurations are possible.
Mounting hardware to be supplied by operator or installer.

Assembling the small L bracket (1210701-0A01)

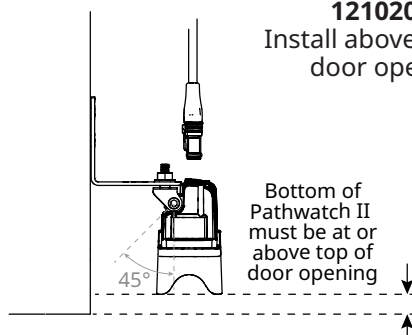


Assembling the large mounting bracket (0703876)



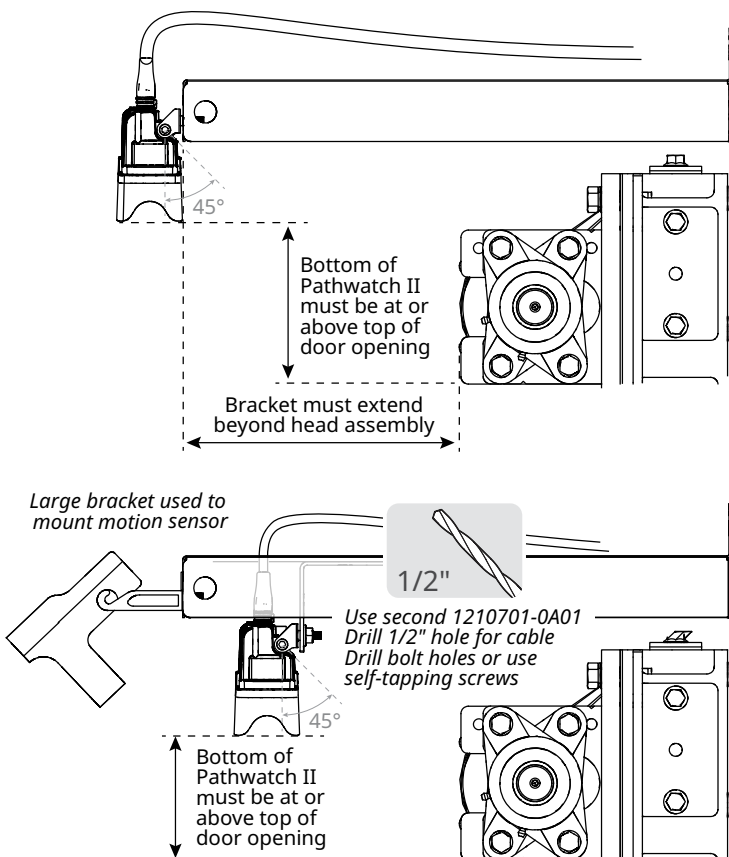
1210702-0B 1210202-0A

Install above rear door opening

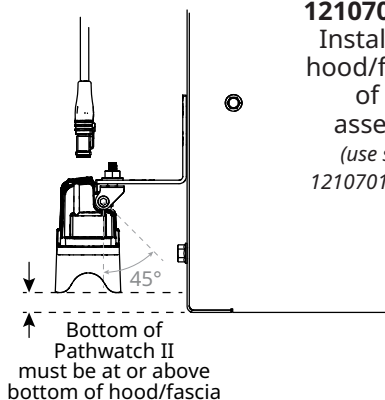


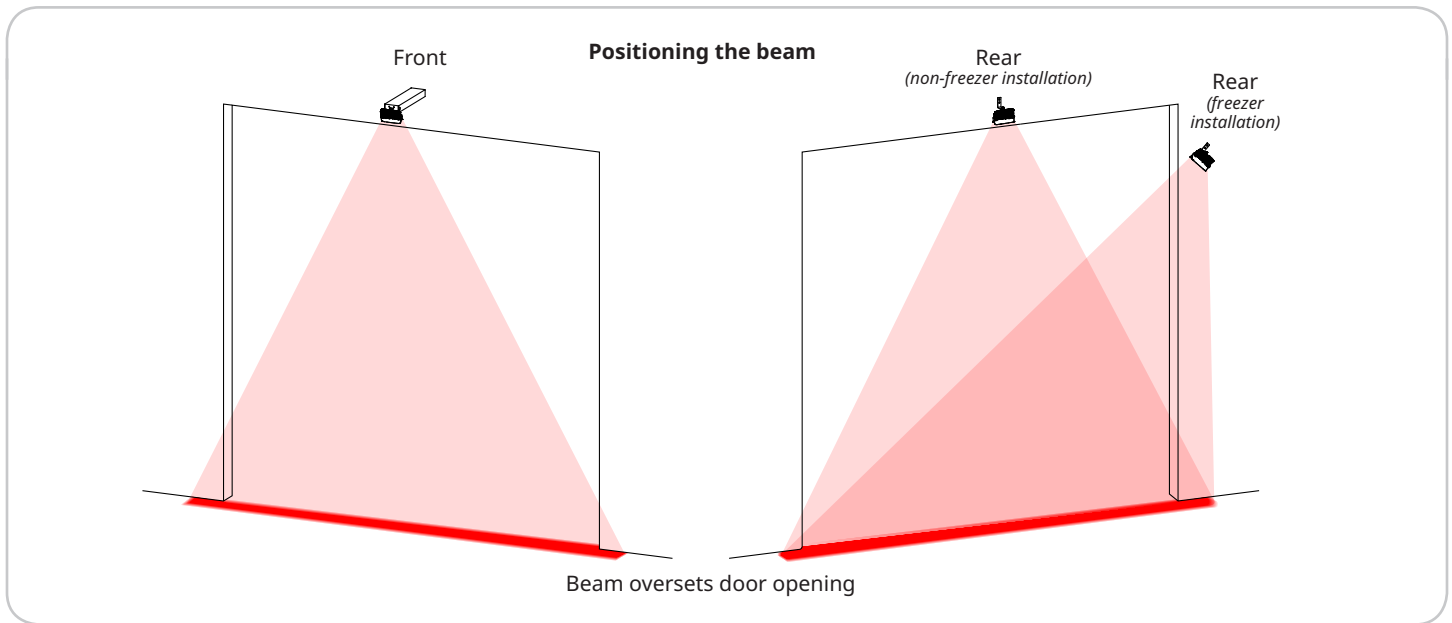
1210702-0A

Install above head assembly, no hood/fascia (use 0703876)



1210702-0A Install into hood/fascia of head assembly (use second 1210701-0A01)

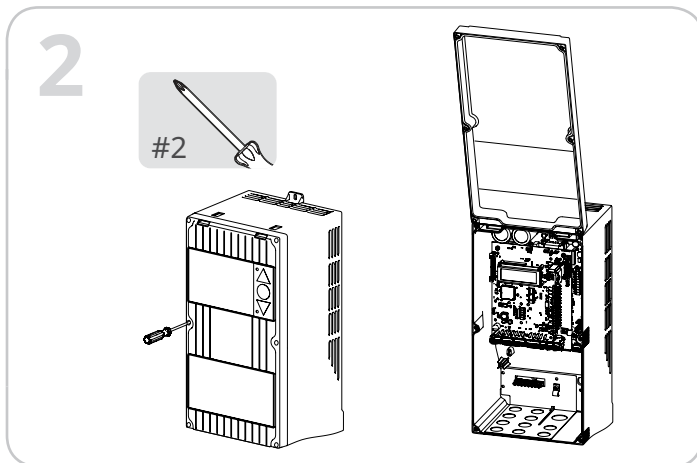




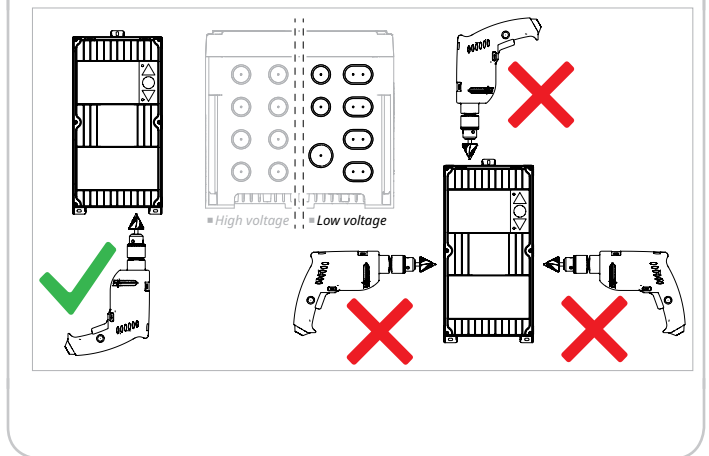
How to wire the Rytec Pathwatch® II

	⚠ WARNING WARNING: Do not open the controller until the power disconnect is in the OFF position, a lockout/tagout is complete, and at least five (5) minutes have elapsed. Components in the controller hold a charge when the door is not in operation, which can cause shock, burns, or death.
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1 Open door to fully open position, **disconnect** power and **perform** lockout/tagout.



3 If necessary, **drill** a hole in the control box for the Pathwatch® II cable.

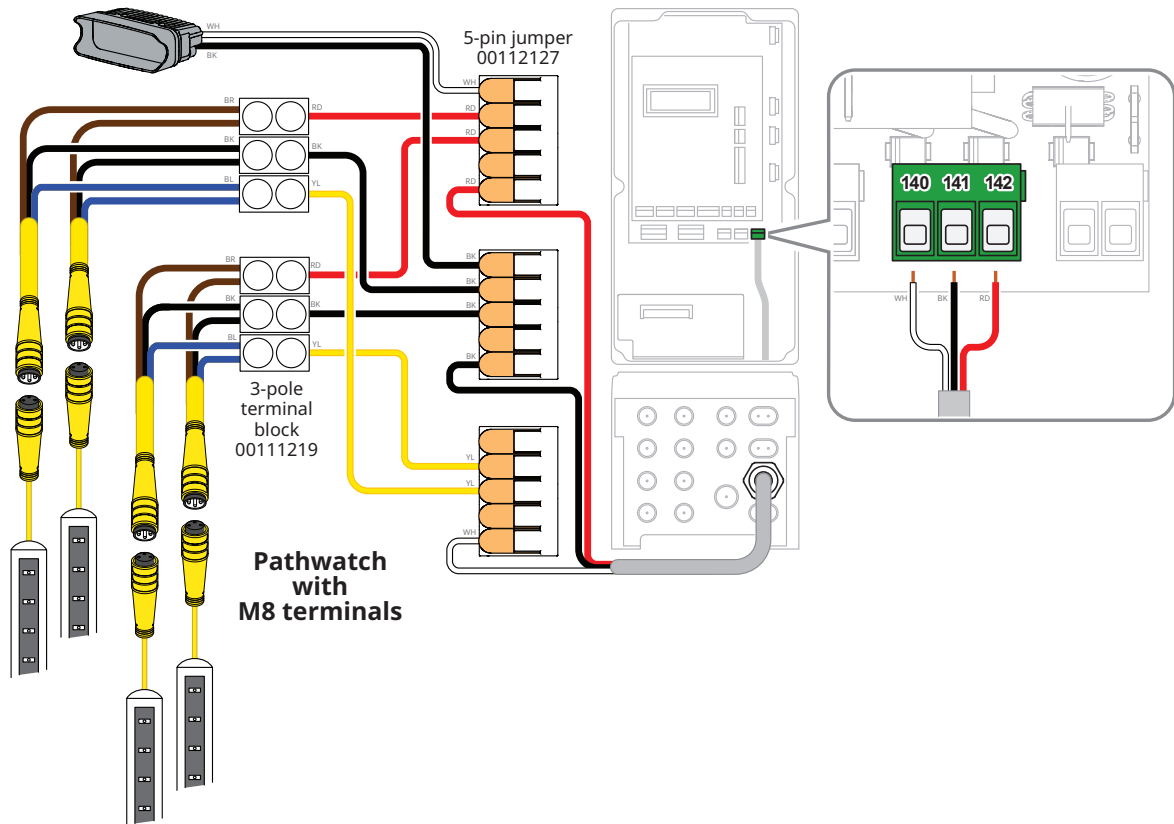
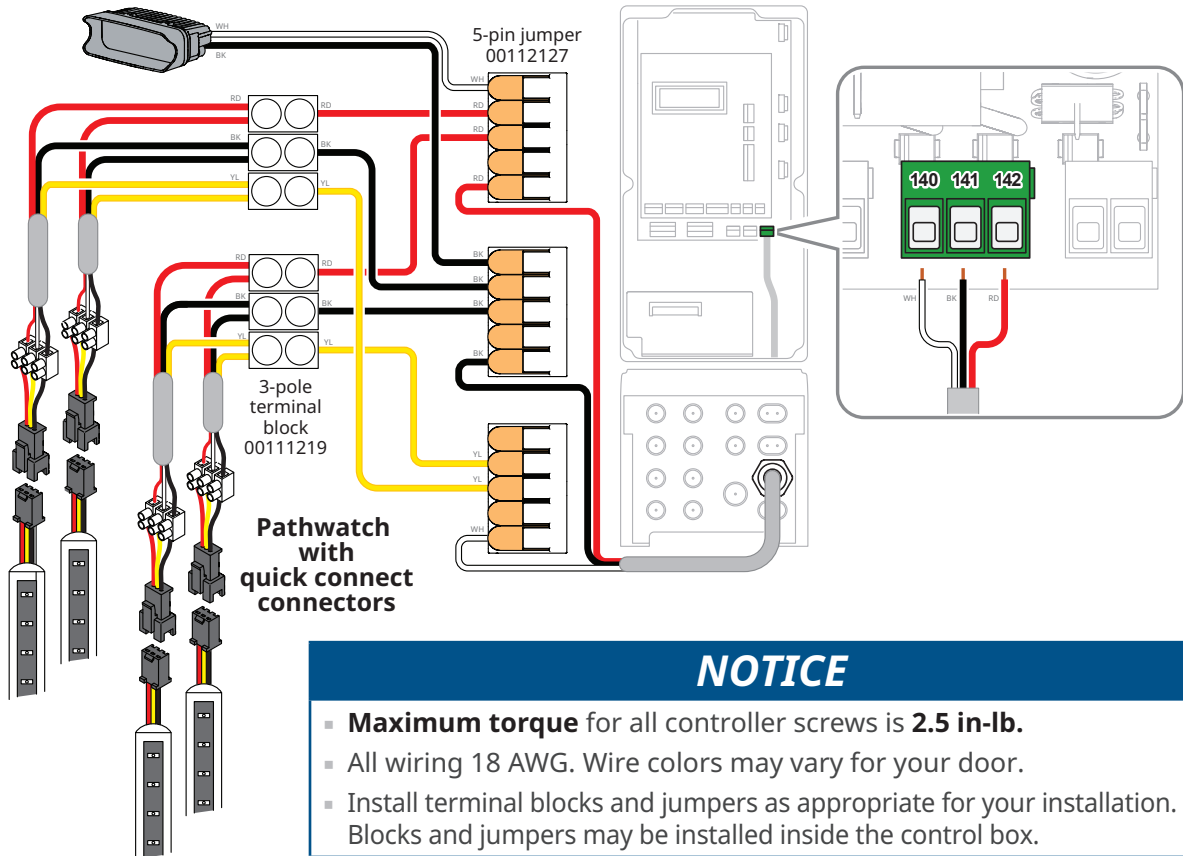


NOTICE

- **The cable must enter through the bottom of the control box.** Drilling through the top or side of the control box voids the warranty for the door.
- Low voltage cables must enter **through the right side** of the box bottom.
- **Holes must be drilled.** The indentations on the controller bottom are not knockouts.

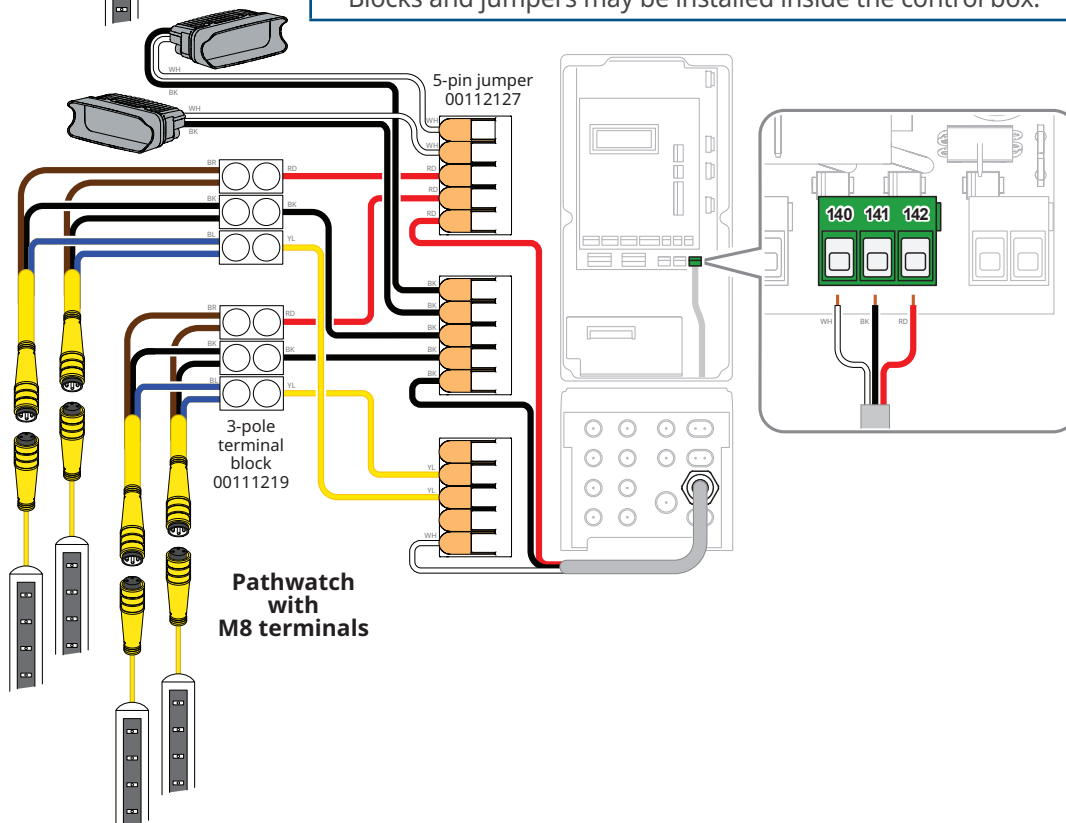
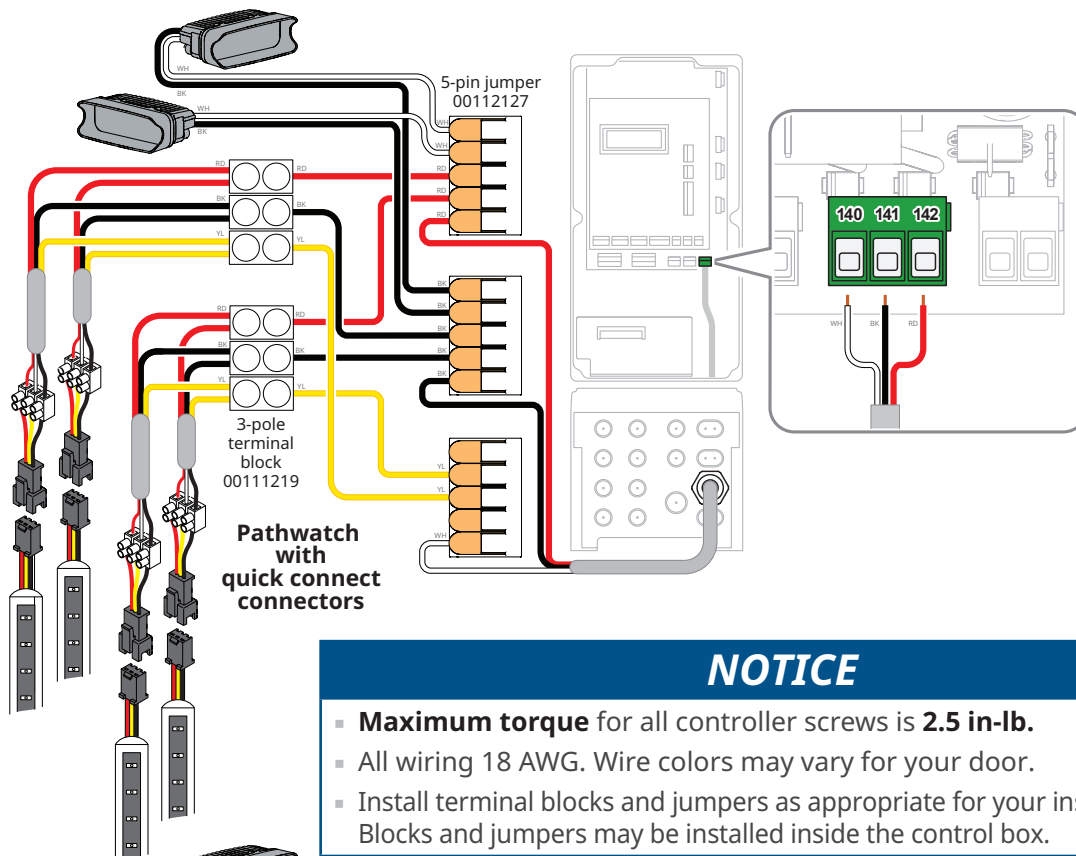
4

Connect the wiring to the controller, single Pathwatch® II (1210702-0B)



5

ALTERNATE: Connect the wiring to the controller, double Pathwatch® II (1210702-0A).



6

Remove the lockout/tagout and turn the power disconnect to the ON position.

How to set the controller parameters for the Pathwatch® II



NOTE: If you don't know how to set a parameter, follow the steps in *How to set a controller parameter* on the next page.

These parameters must be **checked** and, if necessary, **changed**.

Parameter Number	Value for Pathwatch® II
7D0	0
7D1	0.0
7D2	0.0
7D3	0.0
7D4	0
7D5	0 Inc
7D6	0
7D7	0
7D8	0
7D9	0
7DA	0
7DB	0
7DC	0
7DD	0
7DE	0
7E0	12
7E1	1000.0
7E2	0.0
7E3	0.0
7E4	0
7E5	0 inc
7E6	4
7E7	0
7E8	1
7E9	0
7EA	3
7EB	1
7EC	0
7ED	2

Standard operation of Pathwatch after Pathwatch® II parameters are set

1 **Yellow LEDs** are deactivated in all Pathwatch.

2 **While door opens:**
All Pathwatch shine solid red.

3 **Door fully open:**
All Pathwatch off.

4 **During countdown to door closing:**
All Pathwatch flash in one-second cycle.

5 **While door closes:**
All Pathwatch shine solid red.

6 **When door is in fault:**
All Pathwatch flash slowly.

7 **When parameters are being set or changed:**
All Pathwatch flash slowly.



CAUTION

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How to set a controller parameter

The Controller Display

Parameter name

P: Password 0

001= 1979 0xc

Parameter number
All three digits are hexadecimal

Parameter value
? = value being changed
✓ = change saved

Blinking cursor
On left side of display: press arrows to change parameter number
On right side of display: press arrows to change parameter value

The Controller Controls

Stop/Reset Button
Press to toggle the flashing cursor between left and right
Press and hold to save changes to a value

UP Arrow
Press to increase a value or a parameter number

DOWN Arrow
Press to decrease a value or a parameter number

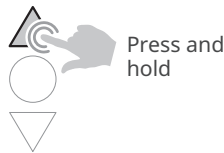
Press and hold arrows to cycle quickly



NOTE: The display uses hexadecimal numbers. Each digit has 16 possible values instead of 10

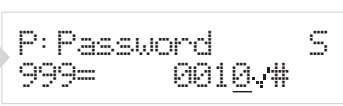
The display uses the ten numeric characters (0-9), plus six letters (A-F), which represent the values from 11 through 16. This means, for example, that you must press the UP arrow sixteen times to change a value from 0000 to 0010.

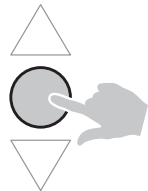
Icon key



How to set the controller to Parameter mode and access Service level parameters

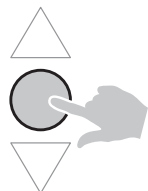
Do This	Result
1 5 sec. You are in Parameter mode. You can now change parameters.	
2 until 999 displays The Password parameter (999) screen displays.	
3 The flashing cursor moves to the right (value) side of the display.	
4 16x Set the Service password value to 10.	

Do This	Result
5  5 sec.	 P: Password 999= 0010v# S
The Service password is saved You must press and hold the Stop/Reset button for five (5) seconds to save the change.	

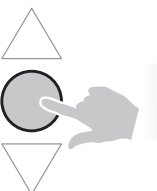
Do This	Result
6 	 P: Password 999= 0010 # S
The flashing cursor moves back to the left (parameter number) side. You can now move to a parameter.	

How to navigate to a parameter and change the value

Do This	Result
1  until parameter displays	 P: Input 4 211 S 544= 0 # S

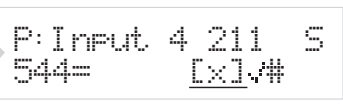
Do This	Result
5 	 P: Input 4 211 S 544= [x] # S
The flashing cursor moves back to the left (parameter number) side.	

You can now move to the next parameter, or return to run mode.

Do This	Result
2 	 P: Input 4 211 S 544= 0v# S
The flashing cursor moves to the right (value) side of the display.	

Do This	Result
6  5 sec.	 [Your door model] [xxx] Cycles
Return to run mode.	

Do This	Result
3  until new value displays	 P: Input 4 211 S 544= [x]v# S

Do This	Result
4  5 sec.	 P: Input 4 211 S 544= [x]v# S
The new value is saved You must press and hold the Stop/Reset button for five (5) seconds to save the change.	