QED 100 series

dormakaba commercial electrified exit devices

Installation instructions

93416_C – 10-2022

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1 Installation instructions

Table 1

Use **step 2 and 3** of these instructions for all models containing:	**MLR** (Mechanical latch retraction) **ED** (Electrified dogging)
Use **step 4** of these instructions for all models containing:	**X** (Request-to-exit)
Use **step 2 through 4** of these instructions for all models containing:	**MLRX** (Mechanical latch retraction with request-to-exit) **EDX** (Electrified dogging with request-to-exit)

Table 2

Electrical input requirements	
Filtered and regulated power supply	
Voltage:	24 VDC ± 10%
Current	1A MAX inrush
	400mA MAX holding
Non-polarized leads	

Table 3

2-Conductor wire run						
Distance	70'	110'	180'	280'	450'	720'
Wire Gauge	22	20	18	16	14	12

NOTE: If using 8Q00312 or 8Q00313 power supplies ensure circuit board is REV G or newer.

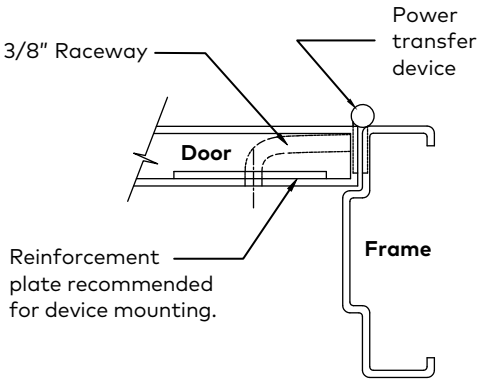
2 Exit device wiring template

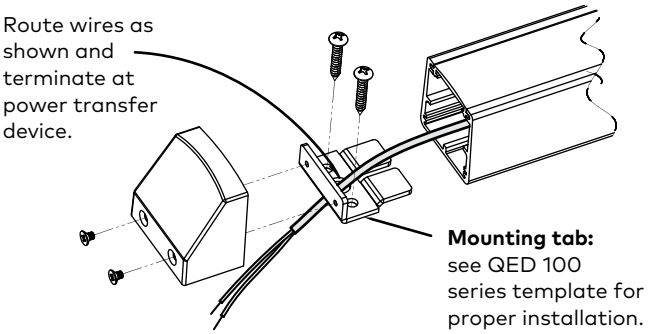
2.1 QED 100 series with MLR and ED

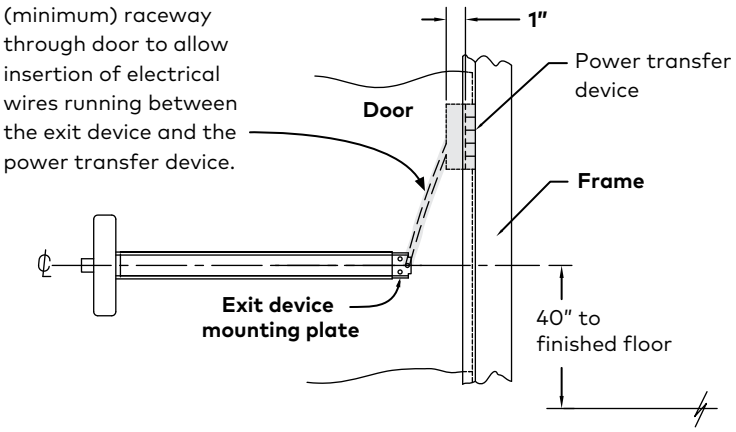
Fig. 1

NOTE: Use QED 100 series template for door preparation. Provide additional prep, as shown, for electric lock modifications.

NOTE: Left hand reverse shown; opposite for right hand reverse models.







3 Electrified latch retraction adjustment

3.1 Adjusting for mechanical operation

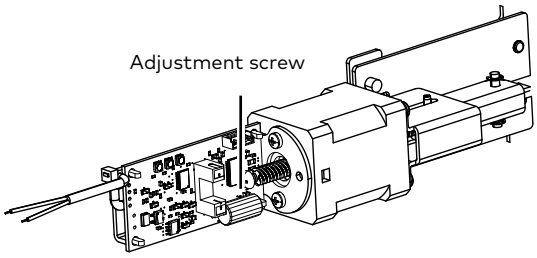
Fig. 2

3.1.1 Verify device is properly adjusted for mechanical operation.

- Electric operation should **not** exceed mechanical operation or there will be a high risk of damage to device.
- We suggest setting latch retraction under electric operation at **1/16" less** than latch retraction under mechanical operation.

3.1.2 Locate adjustment screw in rear of motor assembly.

- Rotate adjustment screw **clockwise** to **increase** latch retraction.
- Rotate adjustment screw **counter-clockwise** to **decrease** latch retraction.



4 Request-to-exit switch

4.1 QED 100 series with request-to-exit (X) switch.

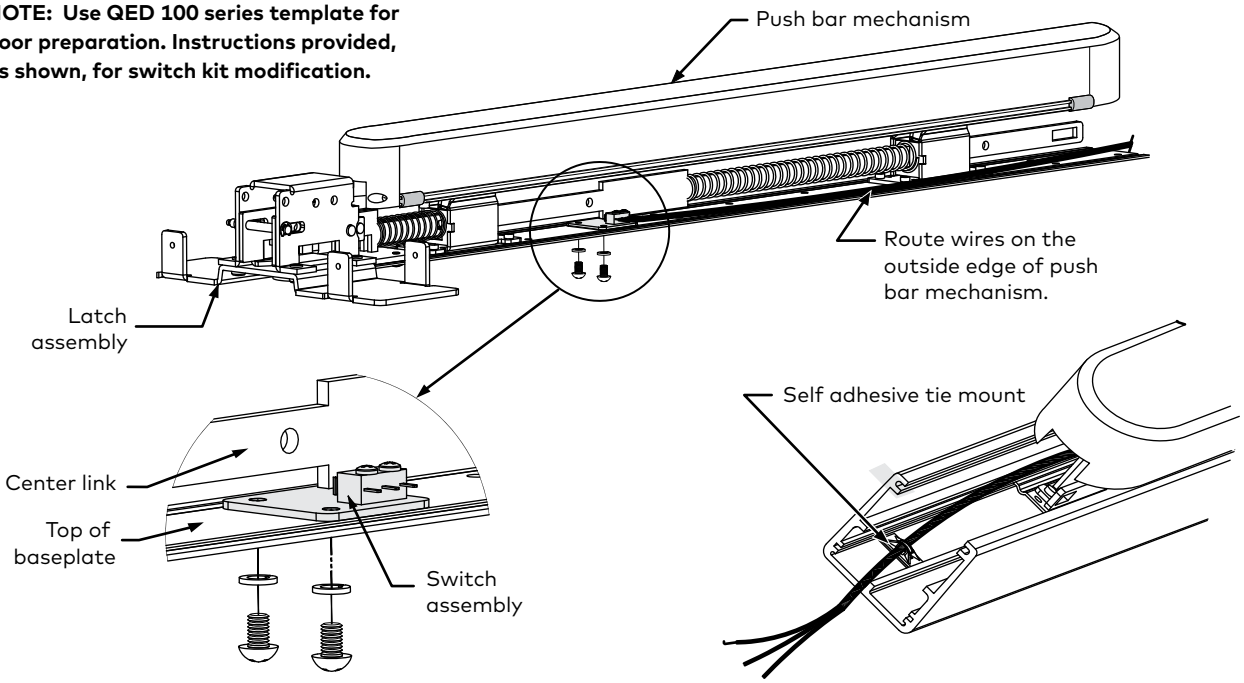
Fig. 3

Electrical specifications
SPDT monitor switch
Contact rating:

- 3 AMP @ 125VAC
- 2 AMP @ 30VDC

Color code for wires			
Yellow wire:	Common	**Gray Wire**	Normally closed
Red wire	Normally open	**Wire gauge**	#22 AWG

NOTE: Use QED 100 series template for door preparation. Instructions provided, as shown, for switch kit modification.



4.1.1 Remove chassis cover from device.
4.1.2 Separate pushbar and latch assembly from mechanism housing.
4.1.3 Place switch assembly into device as shown. Assembly fits over top of existing holes.
4.1.4 Ensure switch arm is placed on outside of center link on pushbar so switch is preactivated.
4.1.5 Use provided round head screws and lock washers to secure switch assembly to pushbar baseplate.
4.1.6 Check for proper switch activation. When pushbar is fully depressed, switch should activate.
4.1.7 Run wires along outside edge of pushbar mechanism.
4.1.8 Re-assemble mechanism housing onto pushbar mechanism.
4.1.9 Secure self-adhesive wire tie mount holder to bottom of mechanism housing in end of device (as shown).

https://dhwsupport.dormakaba.com/hc/en-us

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