



INSTALLATION INSTRUCTIONS

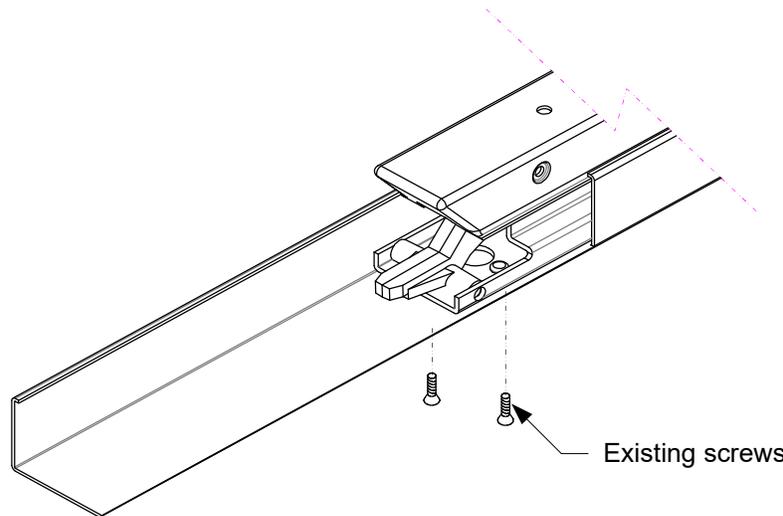
LR100SGK-EM

ELECTRIC LATCH RETRACTION DEVICE KIT

SARGENT MODELS: 8300, 8400, 8500, 8600, 8700, 8800 & 8900

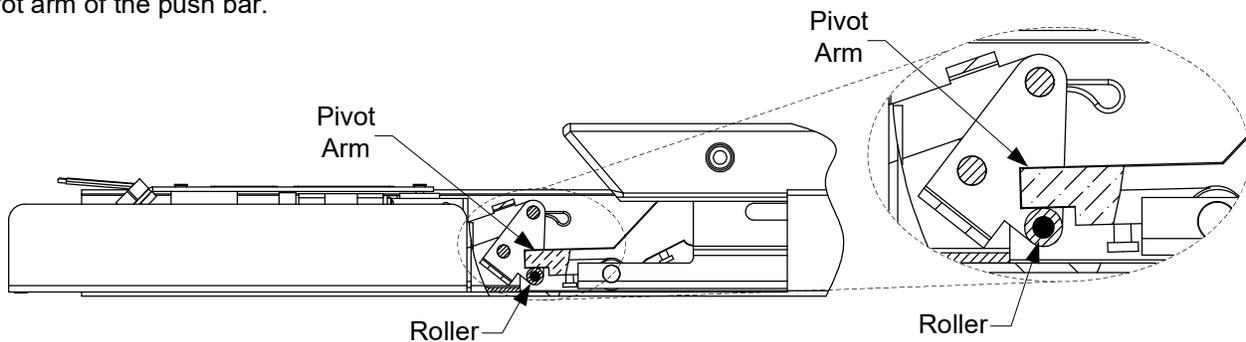
Retrofit Installation Note: 42" or 48" exit devices that have been modified to fit a 36" or smaller opening, may not have the required space to fit the standard E. L. R. assembly. Always verify the distance from the end of the touchpad to the end rail, and if necessary, consult with the factory for appropriate selection.

Remove access cover. Disconnect and discard all dogging components. Then remove the two pre-existing screws from the device.



ELECTRICAL DATA
24VDC +/- 10%
1.5A Inrush / 200mA holding
RED (+) BLK (-)
PATENT #8,851,530

Slide the ELR assembly into the housing and under the hinge bracket. Position the roller at the front of the ELR under the pivot arm of the push bar.

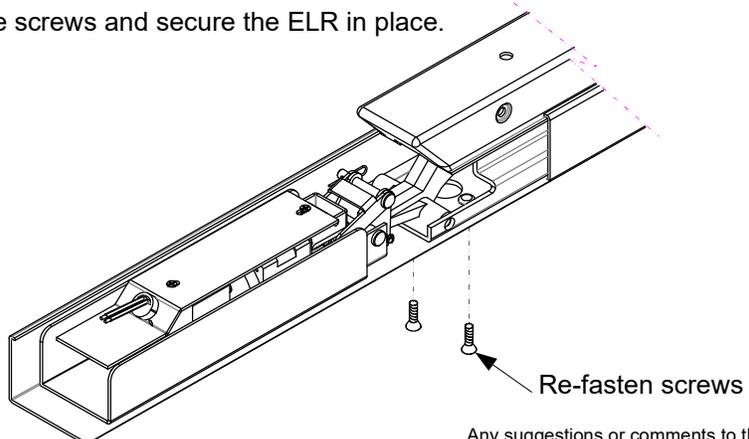


Once ELR is in place re-fasten the exit device screws and secure the ELR in place.

Test the unit

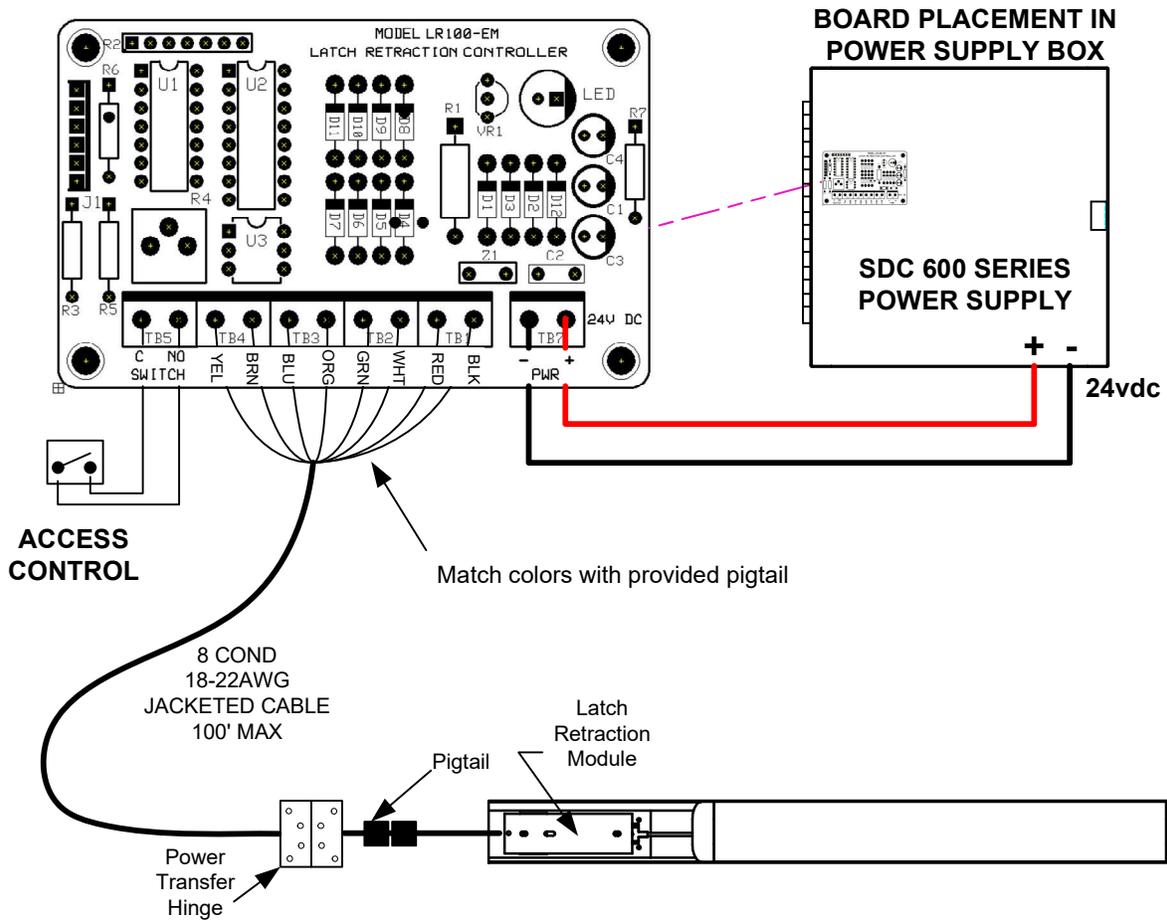
Wire the unit and test function.
Reinstall the cover (in reverse)
and end cap.

Wire the ELR unit to the supplied PC board as shown below.



Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

When retrofitting to existing vertical rod devices, adjustment of the rods is required for proper operation of the Electric Latch Retractor. Once the unit is properly installed, energize it so the latch is dogged down, then reconnect the vertical rods to the device and make the proper adjustments.



Wire colors from provided Pigtail must connect to the same colors marked on PCB. If the Jacketed Cable does not have the same colors as the Pigtail, use the following chart to mark the color connections from Pigtail to Jacketed Cable to PCB.

<u>PIGTAIL</u>	<u>JACKETED CABLE</u>	<u>PCB</u>
BLACK	→	BLACK
RED	→	RED
WHITE	→	WHITE
GREEN	→	GREEN
ORANGE	→	ORANGE
BLUE	→	BLUE
BROWN	→	BROWN
YELLOW	→	YELLOW