SmartSync™ for Service
User Manual

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Section 2 – Safety Check List

Rolling doors are large, movable objects. They move with the help of electric motors or manual operators (chain, crank, push up, etc), and most have springs under high tension. These items and their components can cause injury. In order to avoid injury to yourself and others, please follow the instructions in this manual.

- **Review the potential hazards and preventative measures listed below:**

Table 2.1 - Potential Hazards and Preventative Measures

Potential Hazard		Preventative Measure
	⚠DANGER **Pinned or crushed by closing door.**	• Keep yourself and others clear of opening while door is in motion. • Do not allow children to play near or operate door. • Do not operate if door becomes jammed or broken.
	⚠WARNING **Struck by adjusting wheel bar while applying spring turns.**	• Be sure bar is adequate in strength and long enough to allow installer to apply the necessary torque. • Make sure bar is fully seated into the adjusting wheel slot before applying pressure. • Use two bars while applying turns to the adjusting wheel.
	⚠WARNING **Electrical shock.**	• Make sure electrical operator is properly grounded. • Turn off source power completely prior to servicing the motor. • Make sure wires are clear of any moving or potentially moving parts. • Avoid pinching wires when installing the motor cover.
	⚠WARNING **Pinched by moving components.**	• Make sure the motor is turned off and unplugged before working with moving parts such as roller chain and sprockets, drop-out mechanisms, adjusting wheels, etc. • Locate the possible pinch-points of the unit (Drive chain, coil area, bottom bar, etc.) Do not operate the door while someone is near these areas.

- **Check the following during installation and before leaving the job site:**
    a. If the unit has tension springs, be sure the proper amount of tension is applied to the torsion springs, in order to properly counterbalance the weight of the curtain.
    b. Securely fasten the tension adjusting wheel in place with the appropriate hardware provided.
    c. Check that the keys and/or cotter pins have been set in place and fit properly at all sprockets or gears.
    d. Check that the setscrews in each sprocket or gear (one over the key and one offset from the key) have been tightened properly.
    e. Check all fasteners holding the unit to the building structures.
    f. Check all fasteners used to assemble the components of the unit together.
    g. Instruct owner or representative in the proper method of operating the door.

Section 3 – Introduction

- Introduction
- The CornellCookson SmartSync for Service is a service device when connected to the Apex control panel and the internet to diagnose issues related to the door and resolve them quickly.
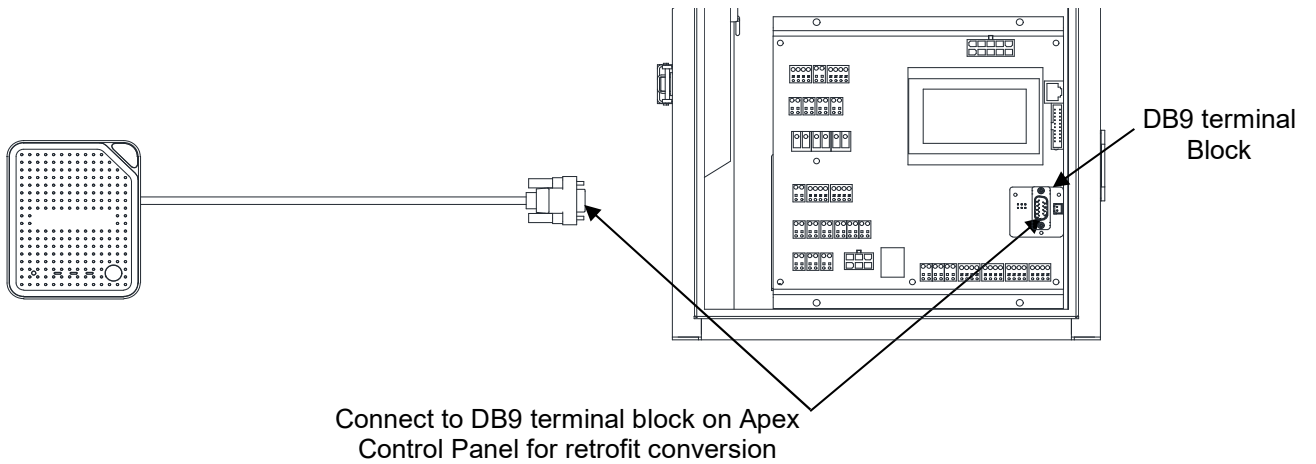
Section 4 – Wiring & Installation

- Smartsync for Service Wiring
    1. Connect terminal block on Smartsync to DB9 connector on Apex control panel. **Figure 4.1**. Turn off power to Apex, install DB9 connector in location as shown, then turn power back on.

        Note: The LED light on the Printed Circuit Board will indicate the transmitter starts working.

Figure 4.1 Smartsync for Service Wiring

DB9 terminal Block

Connect to DB9 terminal block on Apex Control Panel for retrofit conversion
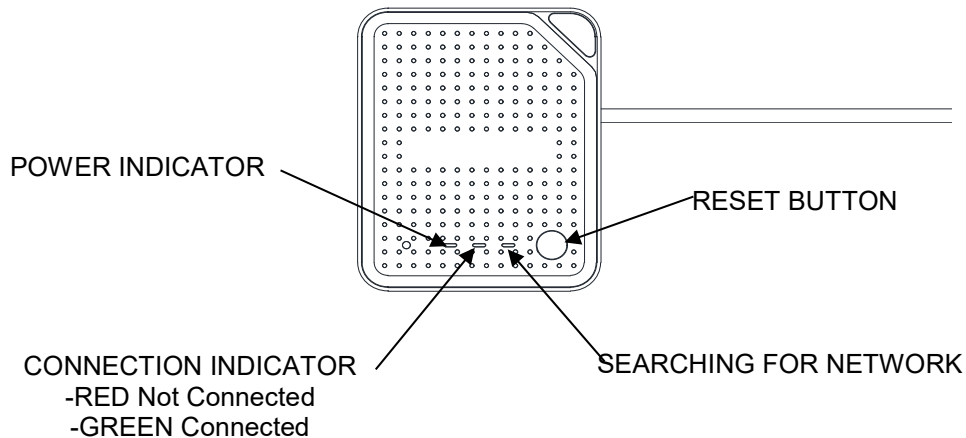
Section 5 – Electrical

▪ Connecting the Smartsync for Service tool to the internet

1. Once the Smartsync for Service tool is connected to the terminal block, a red power indicator light will illuminate. **Figure 4.2**.
2. The red connection indicator light will turn green when there is a successful internet connection.
3. Call customer service with SO number located in Apex Control panel.
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Note: If connection isn't achieved after 3 attempts please contact customer service: +1-800-294-4358

Figure 4.2 Smartsync for Service Connection

POWER INDICATOR

RESET BUTTON

CONNECTION INDICATOR
-RED Not Connected
-GREEN Connected

SEARCHING FOR NETWORK

Section 6 – Dimensions

- Dimensions

SmartSync for Service
Units: Inch

1.299

4.488

3.622

12.062