# INSTALLATION

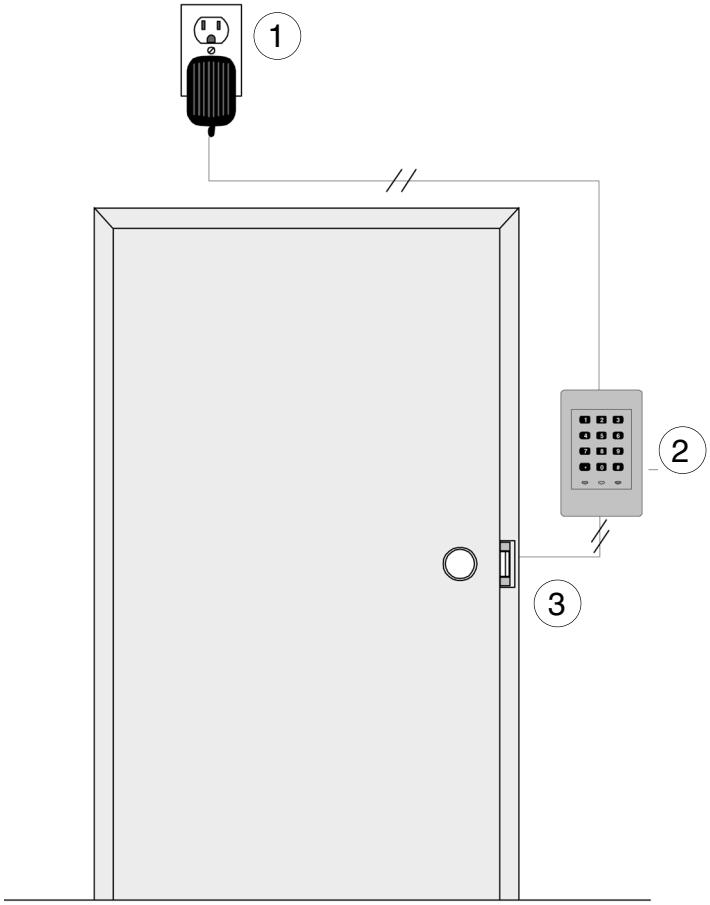
# QS-4K001

**Riser & Schematic Diagrams**

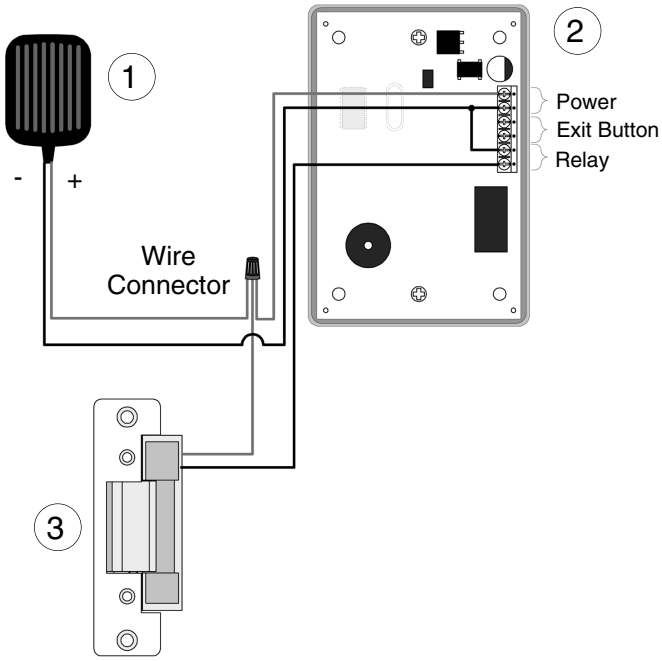
**Quick*Systems***®

RCI®
RUTHERFORD CONTROLS

*In or Out... we make it Easy!*®




// = Number of Conductors




NOTE: This drawing is for reference only. Installations must follow local electrical and building codes. Using correct wire gauge is essential. Refer to enclosed chart for recommendations.

Single Door Keypad Quick*Systems*®

| Number | Component | Description |
|---|---|---|
| 1 | T1003 | 12VDC - 1.5 Amp Plug-In/UL Transformer |
| 2 | 9325i | RCI 120-User 12V Keypad |
| 3 | 4114 x 05 x 32D | 4-Series 12V Electric Strike with Faceplate |
| All | NOTE: Additional faceplates are provided for electric strike for multiple frame types (eg: 4104 ANSI, 4114 ANSI, 4108) | |



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R07/11SH

# WIRE GAUGE SELECTIONS

| Total One Way Length of Wire Run (ft.) | Load Current @24V | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1/4A | 1/2A | 3/4A | 1A | 1-1/4A | 1-1/2A | 2A | 3A |
| 100 | 24 | 20 | 18 | 18 | 16 | 16 | 14 | 12 |
| 150 | 22 | 18 | 16 | 16 | 14 | 14 | 12 | 10 |
| 200 | 20 | 18 | 16 | 14 | 14 | 12 | 12 | 10 |
| 250 | 18 | 16 | 14 | 14 | 12 | 12 | 12 | 10 |
| 300 | 18 | 16 | 14 | 12 | 12 | 12 | 10 | -- |
| 400 | 18 | 14 | 12 | 12 | 10 | 10 | -- | -- |
| 500 | 16 | 14 | 12 | 10 | 10 | -- | -- | -- |
| 750 | 14 | 12 | 10 | 10 | -- | -- | -- | -- |
| 1000 | 14 | 10 | 10 | -- | -- | -- | -- | -- |
| 1500 | 12 | 10 | -- | -- | -- | -- | -- | -- |

| Total One Way Length of Wire Run (ft.) | Load Current @12V | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1/4A | 1/2A | 3/4A | 1A | 1-1/4A | 1-1/2A | 2A | 3A |
| 100 | 20 | 18 | 16 | 14 | 14 | 12 | 12 | 10 |
| 150 | 18 | 16 | 14 | 12 | 12 | 12 | 10 | -- |
| 200 | 16 | 14 | 12 | 12 | 10 | 10 | -- | -- |
| 250 | 16 | 14 | 12 | 10 | 10 | 10 | -- | -- |
| 300 | 16 | 12 | 12 | 10 | 10 | -- | -- | -- |
| 400 | 14 | 12 | 10 | -- | -- | -- | -- | -- |
| 500 | 14 | 10 | 10 | -- | -- | -- | -- | -- |
| 750 | 12 | 10 | -- | -- | -- | -- | -- | -- |
| 1000 | 10 | -- | -- | -- | -- | -- | -- | -- |
| 1500 | 10 | -- | -- | -- | -- | -- | -- | -- |

Wire Gauge Chart courtesy of Electronic Locking Devices by John L. Schum

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