

INSTALLATION

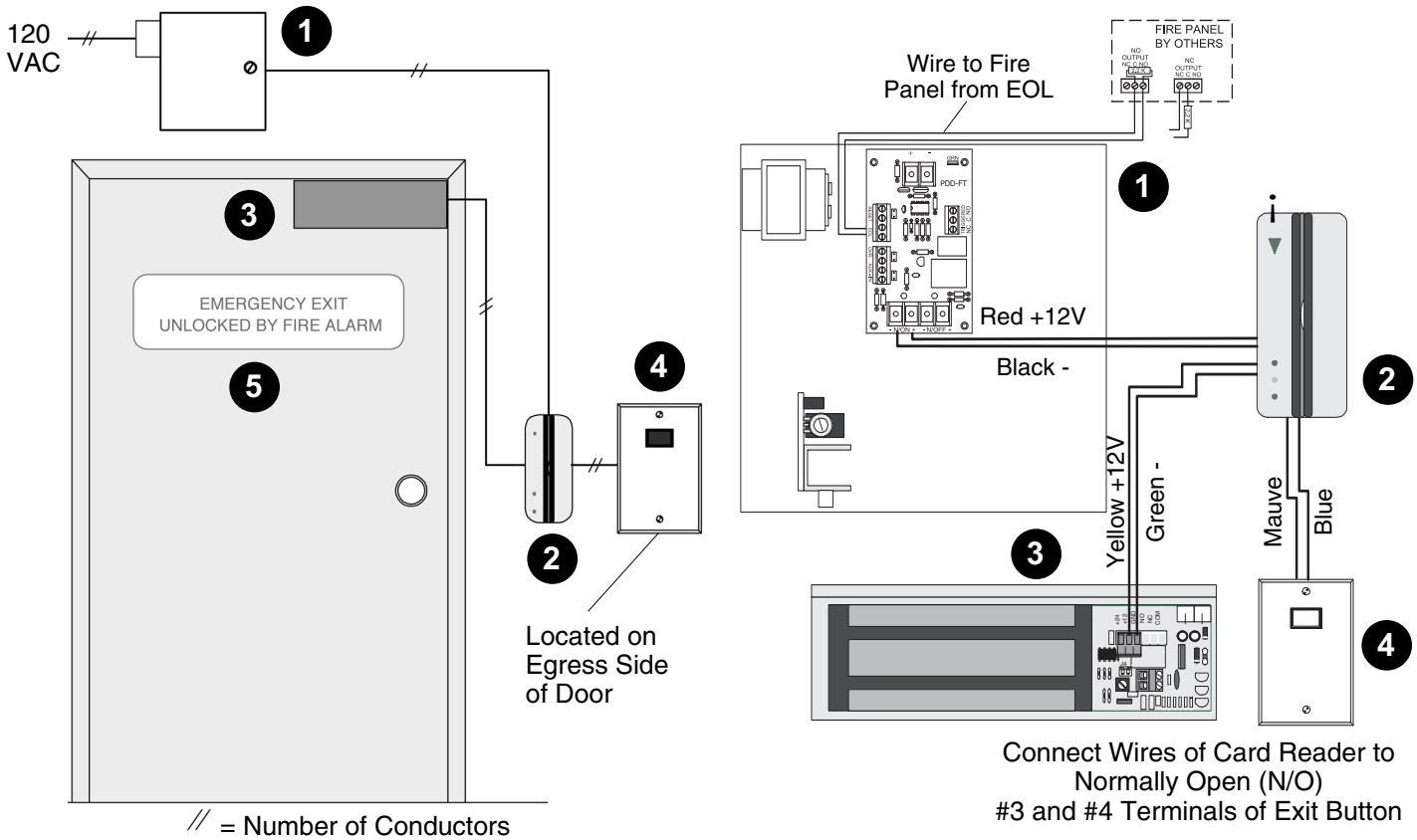
QS-8R001

Riser & Schematic Diagrams

QuickSystems®



In or Out... we make it Easy!™



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 Reader QuickSystems®		
Number	Component	Description
1	10-175UL (U.S.) 1012FPD-1A (Cdn)	RCI Power Supply with Fire Release Relay
2	9310	RCI 1000-User Card Reader
3	8310	RCI 8310 Electromagnetic Lock
4	970-MO	RCI 970 Illuminated Exit Button
5	BC-2M	Building Code Sign

QS-8R001 Installation Instructions (Continued)

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

MAINTENANCE

Contacting surfaces of the electromagnetic lock and armature plate must be kept free of contaminating materials. Surfaces should be cleaned periodically with a non-abrasive cleaner.

All mounting fasteners must be inspected on a regular basis and tightened if necessary to prevent the lock and armature plate from loosening through normal vibration of the door and frame.