

Long Range Proximity Reader

LRP2C20



***Select
Engineered
Systems, Inc.***

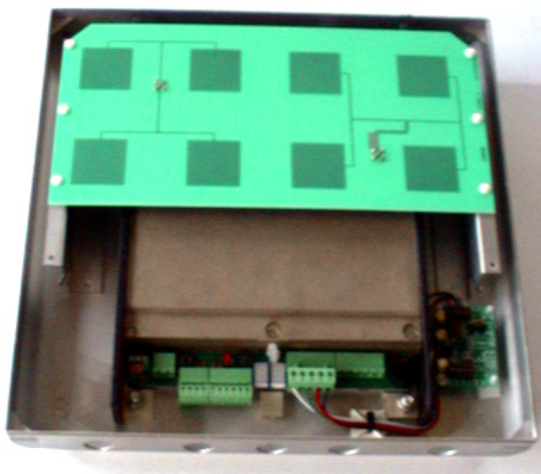
LRP2C20 Proximity Reader HOOK-up

The LRP2C20 Proximity reader is designed for indoor or outdoor use for reading cards up to 20 feet away.

- 1) Remove the 4 screws on the top of the front cover .



- 2) Remove the 4 antenna cover screws to expose the power and reader wiring connections.



- 3) Wire the Red wire (Pwr) from a Weigand cable (Belden 9940 or equiv) into Pin 1 of 4 pin connector.

- 4) Wire the Black wire (Com) from a Weigand cable into Pin 2 of 4 pin connector.

- 5) Wire the Green wire (D0) from a Weigand cable into Pin 3 of 4 pin connector.

- 6) Wire the White wire (D1) from a Weigand cable into Pin 4 of 4 pin connector

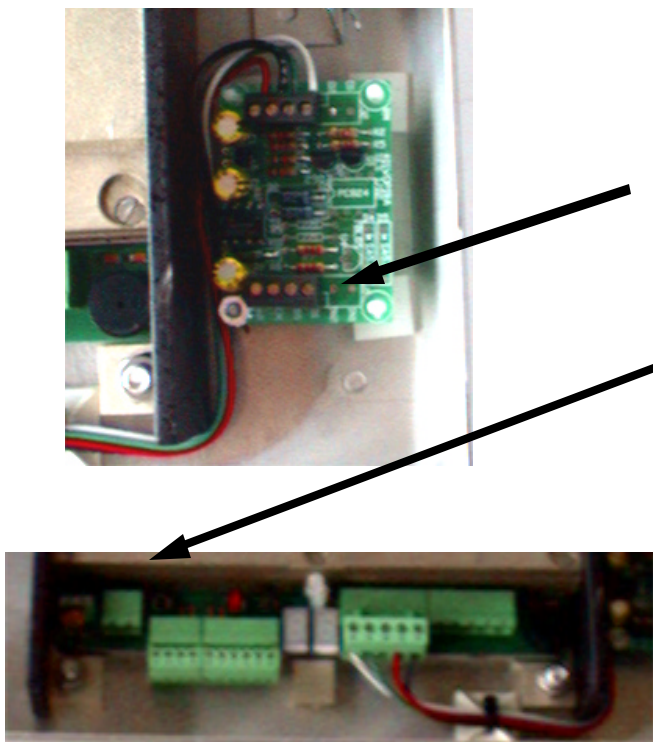
Power and Ground Hookup

- 7) Wire the red wire (+ 12-24 VDC) from a power supply cable into pin 1 of 2 pin connector JP-3. If using supplied power supply, wire the white/black wire to pin 1.

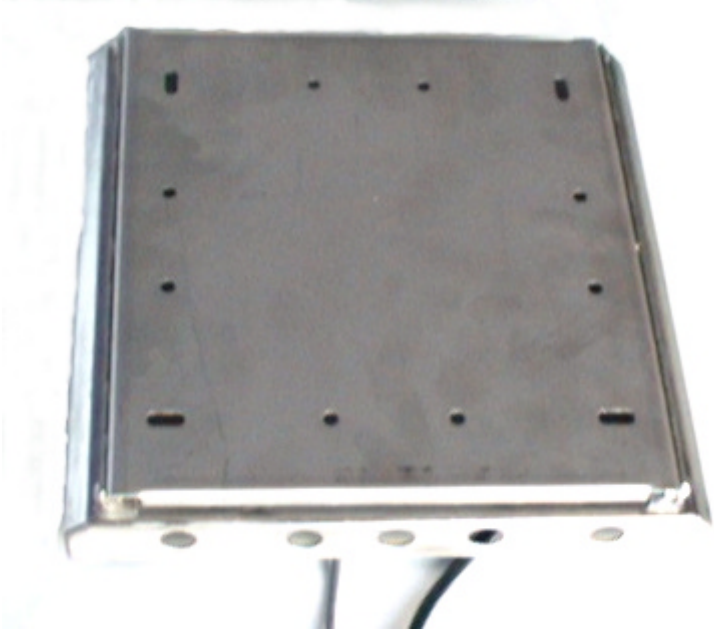
- 8) Wire the black wire (-) from a power supply cable into pin 2 of 2 pin connector JP-3. If using supplied power supply, wire the black wire to pin 2. Install cable grommets, protect cables, and seal holes.

- 9) Attach a wire to a good earth ground, or a cold-water ground. Any of the mounting hole screws may be used.

The reader **must** be connected to a good earth ground with at least # 16 ga. stranded wire. This wire **MUST** be a minimum of 16 ga. connected to a ground rod or cold water pipe. The maximum wire length is 50 feet. Surge damage protection built into the reader diminishes if you do not provide an adequate earth ground.



Mounting Hardware



Back View of LRP2C20

The LRP2C20 may be mounted to a wall or a pipe using the supplied U-bolts.



The U-bolts are included with the hardware package containing the grommets.



Use supplied grommets.

“BETTER TECHNOLOGY MAKES BETTER SYSTEMS”

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