

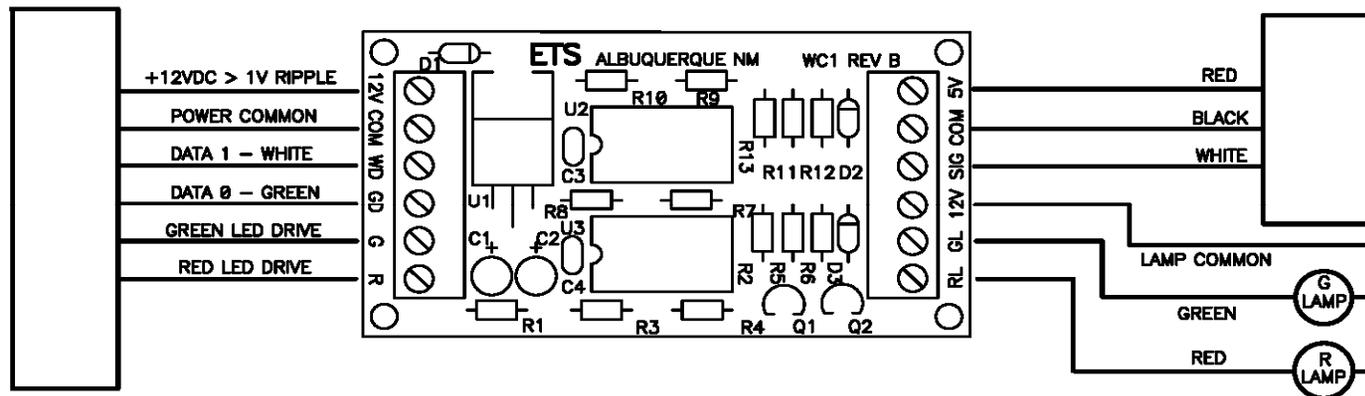
The WC-1 converts a single data wire Weigand card reader signal, such as on the Cardkey L40, to a standard two wire Weigand format. The WC-1 has two incandescent lamp driver circuits designed to drive the indicator lights of the L40. An L40 lamp turns on when a logic low signal is placed on the corresponding input of the WC-1. The WC-1 also contains a special filament warming circuit which helps extend the life of L40 incandescent lamps.

### Features:

- Single wire Weigand input
- Standard normally high Weigand (data 0 and data 1) outputs
- 12Vdc power input. On board 5Vdc regulator for reader
- Filament warming circuit extends L40 lamp life.

### WEIGAND READER INPUT

### CARDKEY L9 READ HEAD



WC1 CONNECTION DIAGRAM

1. The WC-1 will not function if more than 1 read head is connected. If more than 1 read head is required, use the PR-1 Parallel Reader Interface which can be purchased from ETS.
2. Keep the distance between the read head, WC-1, and MRM within 100 feet.
3. The current required to drive the lamps must be figured into calculating the wire gauge and distance between MRM's. The lamp current can be as high as 150MA per reader. A safe figure is to double the minimum wire size requirement determined by following the instructions in the APC manual.
4. Contact ETS at 505-888-3923 if you do not know what the site code is on your cards. We offer card format analysis services at no charge.
5. Cardkey standard 34 bit format is as follows:

Technology = Weigand	Reversible = Yes	Duress = No	Issue Level Start = 15,	Card Number Start = 18,
Length = 34	Scrambled = No	Site Start = 2, Length = 13	Length = 3 (optional)	Length = 16

6. The WC-1 does not decode the site code of encrypted cards. The card number can still be read using the following format:

Technology = Weigand	Reversible = Yes	Duress = No	Company Start = 17, Length = 6,
Length = 34	Scrambled = No	Card Number Start = 1, Length = 16	Data = 28

### Warranty

All ETS products carry a one year parts and labor warranty. This warranty does not cover damages as a result of misuse, improper handling of the unit or exposure to extreme temperatures or moisture. At its discretion, ETS reserves the right to repair or replace this unit under the conditions of the warranty. If you experience problems with your equipment call ETS at: 505-888-3923 to obtain a return authorization number. Equipment requiring repair beyond the warranty period or units that have been damaged or are not covered under the warranty can be repaired by ETS for a minimal cost under most conditions.