4.5 Programming Instructions

The QuiQ charger is pre-loaded with up to 10 different charge algorithms. Dozens of different charge algorithms for different battery types and sizes are available. Consult with Delta-Q Applications Engineering or Technical Support if an algorithm not loaded on your charger is required. The table below is the standard set of algorithms loaded on the QuiQ charger. Your charger's algorithms may differ.

Algo #	Battery Type	Ah Range	Designed For	Compatible With
5*	Flooded	85-150	Trains 20VHC 24VHC	Cumio 04 07 24 CC40
3	riooded	05-150	Trojan 30XHS,31XHS	Grp's 24, 27, 31, GC12
6*	Gel	98-120	Deka 8G31	Gel Grp's 27, 31
71	Flooded	140-200	US Battery 8V-GC	GC8, GC12
11	Flooded	200-255	US Battery US125	GC2, GC2H, J185, etc.
72	Flooded	250-320	US Battery US-305HC	Grp's 902, L16, etc.
73	Flooded	330-425	US Battery US-L16HC	Grp's 903, L16, etc.
126*	AGM	85-140	Fullriver 12 Volts	Fullriver Grp's 24, 27, 31, GC2, GC8, GC12
125*	AGM	150-220	Fullriver DC180-8	Fullriver Grp's GC12, GC8, 6v27
151*	AGM	220-290	Fullriver DC224-6, DC250-6	Fullriver DC150, DC160, and DC215-12
141*	AGM	335-415	Fullriver DC335-6, DC400-6	Fullriver Grp's 902, 903, J305, L16

Built-In Programming Functions

There are two methods of altering the algorithms: via the built-in display and change functions, or the external programming tool.

The QuiQ charger can display and increment through the stored algorithms by following the sequences below. This allows an end user to change algorithms without any special tools.

Check Default Charge Algorithm

Enter Algorithm Display Mode:

- Disconnect AC Power.
- Remove positive lead from battery pack.
- 3) Apply AC power and the charger will display the algorithm number after the Power On Self Test:
 - All algorithms will display as a series of flashes of the '80%' LED.
 - b. Algorithms #1 6 will also be indicated by the Ammeter LEDs (see User's Guide). Examples:

- Algorithm number display repeats for 11 seconds, then Algorithm Display Mode ends.
- 5) Remove AC Power and reconnect positive lead.

Change Default Charge Algorithm

- Enter Algorithm Display Mode (as above).
- While Algorithm Number is displayed (for 11 seconds), touch positive lead to the battery pack positive terminal for 3.0 seconds (+/- 0.5s).
- 3) Remove lead from battery pack. Algorithm Number will increment.
- To increment the Algorithm Number again, repeat Steps 2 and 3 within 30 seconds.
- Touch positive lead to positive terminal and hold until relay clicks (>10 seconds). The new default algorithm is now stored.
- 6) Remove AC Power and check default algorithm (as above)

QuiQ Programming Kit (900-0012)

This kit is provided with hardware and software to allow a Windows-based personal computer to add, remove, and change algorithms loaded into compatible QuiQ chargers. The kit is shown below and available only to OEMs directly from Delta-Q. It may be used as a service tool as it allows for easy changes to the charger's software.

