IC3645LXCD1MA

This logic card replaces all of the following logic cards:

IC3645EVM1 or IC3645EVM6 . Standard current limit with auto plug
IC3645EVM2 or IC3645EVM7 . High current limit with auto plug
IC3645EVM3 or IC3645EVM8 . Standard current limit without auto plug
IC3645EVM4 or IC3645EVM9 . High current limit without auto plug

Please read carefully . This replacement logic card has the same functions and features as the logic card that it replaces with two major differences:

1. The IC3645LXCD1MA card *can only be* adjusted using the EV100 Handset (There are no adjustment potentiometers).

Trimpots   Handset

2. Function 17 must be adjusted per the following table:

If the logic card that you are replacing is:	Set Function 17 between:
IC3645EVM1 or IC3645EVM6	10 and 14
IC3645EVM2 or IC3645EVM7	15 and 19
IC3645EVM3 or IC3645EVM8	0 and 4 (Factory Setting)
IC3645EVM4 or IC3645EVM9	5 and 9

The IC3645LXCD1MA card will have the following settings from the factory. **Setting changes for your particular application may need to be made at the time of installation. Refer to the EV100 LX Dual Motor Function Description Guide for function and value ranges.** The Guide should be included with each LX handset.

Description	Function	Setting	Nominal Value
Creep	2	52	6.5% On-Time
C/A	3	15	1.3 Sec
C/L	4	140	250 Battery Amps @ 50% On-Time
Plug Current	5	125	570 Motor Amps
PA4 Input Switch Function Selection	7	75	Setting of 0-127 For Normally Open steer switch. Setting 128 or greater Normally Closed switch.
S/L 1	11	255 *	0% S/L when the TURN Switch is Closed
S/L 2	12	255 *	0% S/L when the INSIDE wheel is reversed
Battery Volts	15	48	Card is tested @ 48 volts, (Check your truck voltage)
Pedal Plug	16	32	200 Motor Amps
Card Type	17	2	Standard current limit without auto plug
SP Delay Dropout	18	174	D.O. 24 sec after Direction Switch opens

* These two functions will need to be adjusted to a number between 0 = 100% and 180 to 255 = 0% of battery to the inside wheel motor to set the required speed for proper turning operations.