

# ANALOG BRUSHLESS PWM SERVO AMPLIFIERS SMA8110 STAND ALONE AMPLIFIER MODEL NUMBERING

## ANALOG BRUSHLESS PWM SERVO AMPLIFIERS SMA8110 AMPLIFIER MODEL NUMBERING

This section explains the model numbering system for Glentek's SMA8110 Analog Brushless PWM servo amplifier. The model numbering system is designed so that you, our customer, will be able to quickly and accurately create the model number for the amplifier that best suits your needs. In order to accurately select a complete part number, please choose the industry standard mounting configuration which meets your needs (i.e. Module, Stand-Alone or Multi Axis) and then complete the amplifier configuration code per your requirements.

Note: A complete model number example follows each section and includes a full description of the individual codes which make up the complete model number.

### Stand-Alone Model Numbering

**SMA8110XX - YYYY - QQQ - 1A - 1 - ZZ - RRR**

Amplifier Model Number

Power Rating

Omit = Standard Power

LP = Low Power

Amplifier Configuration Code

(See Module Model Numbering)

Optional Custom Configuration Code  
for the amplifier module

Stand-alone amplifier designator

Optional Custom  
Configuration Code  
for the Power Supply  
and Regen Circuit

Power Supply Configuration  
Code

00 = 110-130VAC, 1 or 3 Phase

01 = 208-240VAC, 1 or 3 Phase

02 = Special

1 amplifier module mounted

Example: SMA8110 - 004C - 1A - 1 - 00

70-240VDC Module Operation, Type A Motor Temp.,  
+15VDC Logic, Type A Reset, Type C Inhibit,  
Type A Limits, Differential Signal Input,  
Current Mode, 120°/240° Sensor Select,  
Motor Reverse Off

Single axis Stand-Alone Amplifier.

110-130VAC  
Operation

1 amplifier installed

Glentek, Inc.

208 Standard Street • El Segundo, California 90245 USA  
(310) 322-3026 • (310) 322-7709 Fax • [www.glentek.com](http://www.glentek.com)

# ANALOG BRUSHLESS PWM SERVO AMPLIFIERS SMA8110 STAND ALONE AMPLIFIER MODEL NUMBERING

## LOGIC INPUT CONFIGURATION DESCRIPTION:

There are four logic inputs: Limit+, Limit-, Inhibit and Reset In. They may be configured for active-high or active-low signals and pull-up or pull-down termination (type A, B, C and D). All logic inputs have selectable 0 to +5VDC or 0 to +15VDC range. Following is a description of the various types (A, B, C and D) and how they apply to the inhibit input:

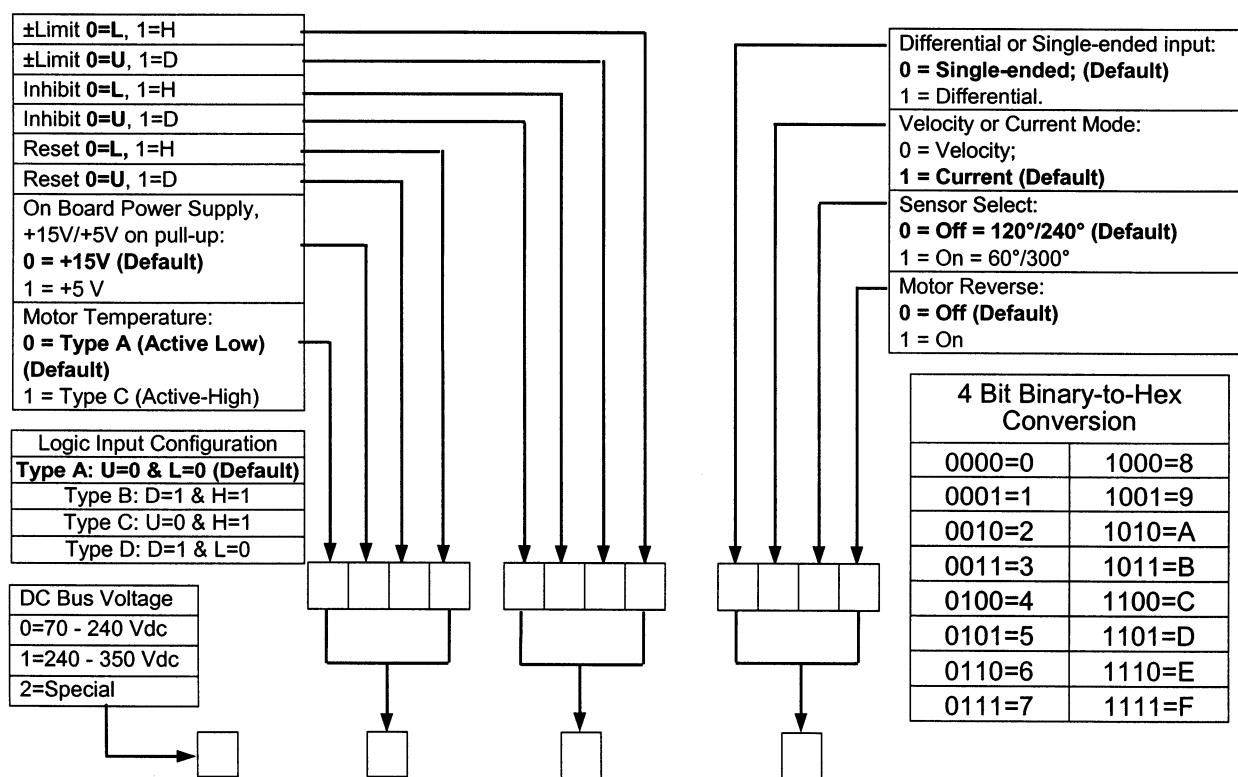
Type "A": Requires grounding of input to disable the amplifier (pull-up, active-low).

Type "B": Requires a positive voltage at input to disable the amplifier (pull-down, active-high).

Type "C": Requires grounding of input to enable the amplifier (pull-up, active-high).

Type "D": Requires a positive voltage at input to enable the amplifier (pull-down, active-low).

### Amplifier Configuration Code



Example: SMA8110 - 1044 - 1

240-340VDC Operation, Type A Motor Temp.,  
+15VDC Logic, Type A Reset, Type C Inhibit,  
Type A Limits, Single-Ended Signal Input,  
Current Mode, 120°/240° Sensor Select,  
Motor Reverse Off

Single amplifier module