NAREN® Electrix

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CURRENT SETTINGS

DIGITAL STARTERS

This document explains the low current and high current settings that have to be made for different types of motors on Naren Digital Starters.

Settings for Single Phase Starters

The load current drawn by the motor is usually in multiples of 6 for Single Phase motors. The low current settings will be full load current - HP rating of the motor. The following chart explains the settings to be made for different HP ratings.

HP rating	Full load current	Low Current	High Current
0.5HP	3A	2A	4A
1HP	6A	5A	7A
1.5HP	9A	7A	11A
2HP	12A	10A	14A
3HP	18A	15A	21A

Note: The full load currents may vary based on the motor windings quality, supply voltage etc. it is better to observe the current drawn by the motor on the second line of the LCD and adjust the appropriate setting.

Settings for 3 Phase Starters

The load current drawn by the motor is usually in multiples of 2 for 3 Phase motors. The low current and high current settings are to be done on a standard difference value with respect to the full load current. The following table explains the settings to be made to different load currents.

HP rating	Full load current	Difference Band	Low Current	High Current
3HP	5A	1	4A	6A
5HP/6HP	10A	2	8A	12A
7.5HP/8HP	14A	2	12A	16A
10HP	18A	2	16A	20A
12.5HP	22A	3	19A	25A
15HP	28A	4	24A	32A
20HP	36A	5	31A	41A

Note: The full load currents may vary based on the motor windings quality, supply voltage etc. it is recommended to observe the currents drawn by the motor on the second line of the LCD and adjust the appropriate setting based on the difference band for the corresponding HP. Also, for low current setting, consider the least among the 3 current readings and for high current setting, consider the highest among the 3 current readings.