

Quick Start Guide - Easy Start
RSi “S” Series VFD
Using the Remote LCD Keypad/Display

1. On Power Up, LCD will show: **“99 Start Easy Set”**. Go to 2.

If the LCD does not show **“99 Start Easy Set”**, to get to Easy Start:

- A. Press the “MODE” button until you get to the CNF (Configure) Mode.
- B. Arrow down to parameter CNF.61, Easy Start On.
- C. Press the PROG / ENT button.
- D. Change to 1: Yes.
- E. Press the PROG / ENT button to save the setting.

Perform a factory reset - Note this will reset all parameters to default settings.

- F. Arrow up to parameter CNF.40, Parameter Init (Initialize Parameters).
- G. Press the PROG / ENT button and change to 1: All Groups.
- H. Press the PROG / ENT button to save the change (All parameters are reset to factory settings).
- I. Power down the drive.
- J. Power Up the drive, the LCD will show: **“99 Start Easy Set”**.


2. Follow the screens and set the values of the following parameters using the Up/Down and PROG / ENT buttons.

Parameter #	Function	Option #	Description
99	Easy Start Set	1	Yes
99	Language Sel	0	English
DRV.14	Motor Capacity	0	0.3 HP
		1	0.5 HP
		2	1.0 HP
		3	1.5 HP
		4	2.0 HP
		5	3.0 HP
		6	4.0 HP
		7	5.0 HP
		8	5.5 HP
		9	7.5 HP
		10	10 HP
		11	15 HP
BAS.11	Pole Number	2 ~ 48	
BAS.15	Motor Volt	170 ~ 480	
BAS.10	60/50 Hz Src	0	60
		1	50
BAS.19	AC Input Volt	320 ~ 480	
DRV.06	Cmd Source (Start/Stop)	0	Keypad
		1	Fx/Rx-1
		2	Fx/Rx-2
DRV.01	Cmd Frequency	0.50 ~ 60 Hz.	

When the above settings are complete, the LCD will return to the Monitoring (MON) Mode. The drive is ready to operate from the source selected in DRV.06 and at the speed entered in DRV.01.

**** Important ****

Note that only the minimum parameters have been set. The below table provides additional parameters and settings recommended for safe operation of the drive and satisfactory motor protection.

					Settings	
	Function	Group	Parameter	Option #	Desc.	Default
A	Control (Start/Stop)	DRV	06	0	Keypad	1:Fx/Rx-1
				1	Fx/Rx-1	
				2	Fx/Rx-2	
B	Speed Reference	DRV	07	0	Keypad-1	0: Keypad-1
				1	Keypad-2	
				2	V1	
				4	V2	
				5	I2	
C Motor Parameters						
	Load Type / Duty (Normal/Heavy)	PRT	04	0	Normal Duty	1: Heavy Duty
				1	Heavy Duty	
	Motor Capacity	DRV	14	0	0.3 HP	Varies with Drive Rating
				1	0.5 HP	
				2	1.0 HP	
				3	1.5 HP	
				4	2.0 HP	
				5	3.0 HP	
				6	4.0 HP	
				7	5.0 HP	
				8	5.5 HP	
				9	7.5 HP	
				10	10 HP	
	11	15 HP				
	Motor Poles	BAS		11	2 ~ 48	Dependent on motor setting
	Slip			12	0-3000(Rpm)	
	Motor FLA (rated current)			13	1.0-1000.0(A)	
	Motor No Load Current			14	0.0-1000.0(A)	
	Motor Rated Voltage			15	170-480(V)	
Motor Efficiency	16	64-100(%)	Dependent on motor setting			
AC Input Voltage (Source)	19	170-480(V)	240/480			
Motor Direction	ADV	09	0	None	0: None	
			1	Forward Prev		
			2	Reverse Prev		
D Protection Parameters						
	Input/Output Phase Loss Protection	PRT	05	0	Off	00 Displayed as:  Off/Off
				1	On	
	Overload		20	0	None	1: Free-Run
				1	Free-Run	
				2	Dec	
	Trip Level		21	30-200(%)	180	
	Trip Time		22	0.0-60.0(s)	60	
	ETH (Electronic Thermal Overload)		40	0	None	0:None
				1	Free-Run	
				2	Dec	
	Motor Cooling Type		41	0	Self-cool	0:Self-cool
				1	Forced-cool	
	ETH (1 minute)		42	125-200(%)	150	
ETH (Continuous)	43	50-125(%)	120			