S100 suggested LED KEYPAD basic settings for Normal Duty applications (FANS, PUMPS, etc)

	Parameter	Description	Unit	Default set	*Suggested setting	Notes
Operation Group	Acc	Accelerating time	seconds	*20.0	5 to 60	Increase if overcurrent 'OCt' trip occurs on accelerating. If PID control, set = 0.1
	Dec	Decelerating time	seconds	**30.0	20 to 60	Increase if overvolt 'Out' trip occurs on stopping or decelerating. If PID control, set = 0.1
	Drv	Command source	-	1	1	Connect 'RUN FORWARD' contact between terminals 'P1' and 'CM' or '24' . Close to RUN, open to STOP.
	Frq	Frequency Ref source	-	0	2 or 5	Set 2 if using 0-10V input on terminal 'V1'. Set 5 if using mA signal on terminal 'I2'
		No more essential parameters in this group				
Drive Group	dr.09	Control Mode	-	0	0	0 = V/F control for light duty applications
	dr.14	Motor power (Capacity)	KW	*	!	Factory set 1:1 to inverter size. Change if lower or higher power motor is connected especially when using dual rating.
	dr.18	Base Frequency	Hz	60.00	50.00	Set to frequency shown on motor rating plate (normally 50Hz in UK/Europe)
	dr.20	Max. Output Frequency	Hz	60.00	50.00	Sets maximum allowable frequency (motor speed) - reduce to 50.00 for UK/European motors.
		No more essential parameters in this group				
	dr.93	Parameter Initialize	-	-	0	Set to 1 to set ALL groups back to factory set values. Other options available see User Manual for details.
Basic Group	bA.10	Input Power Frequency	Hz	0	1	0' = 60Hz, 1 = 50Hz. Set to '1' (50Hz) if using in UK/Europe etc
	bA.11	Pole number	-	4	As required	Check motor rating plate rpm data. ie, 1500 (-1 to -10%) = 4, 1000 (-1 to -10%) = 6, 3000 (-1 to -10%) = 2, etc
	bA.13	Motor rated current	A	-	As required	Set to motor rating plate current. (Be careful to use the correct value if star/delta or 50/60Hz values are given)
	bA.15	Motor rated voltage	V	-	As required	Set to motor rating plate value or leave at '0'. Note: '0' means inverter output voltage = inverter input voltage
	bA.19	AC Input voltage	V	380	400	Set to 400V or whatever the input line to line voltage is.
		No more essential parameters in this group				
Advanced Group	Ad.08	Stop Mode	-	0	As required	0 = decelerate (ramp) to stop. 2 = coast (freewheel) to stop.
	Ad.24	Frequency limits select	-	0	1	Set to 1 to allow changes to upper and lower frequency (speed) limits
	Ad.25	Low Limit	Hz	0.50	0.50 (or higher)	
	Ad.26	High Limit	Hz	60.00	50.00 (or lower)	
	Ad.64	Cooling Fan operation	-	0	2	0 = Fan operates when inverter output is ON; 2 = Fan operates on internal thermostat (Only when required)
		No more essential parameters in this group				
Control Group	Cn.04	Carrier Frequency	kHz	3	As required	Inrease if low audible motor noise is required. Keep value low if enclosure is small or motor cable is long
		No more essential parameters in this group				
Input Group	In.01	O/P Hz at max signal V1 or I2	Hz	dr.20	As required	
	In.08	Terminal 'V1' min. volts	V	0.00	0	Sets terminal 'V1' minimum voltage for external potentiometer operation.
	In.09	Output frequency at In.08	%	0.00	As required	Fixes the motor / output frequency when terminal 'V1' is at voltage set in parameter In.08
	In.10	Terminal 'V1/I2'	V	10	10	Sets terminal 'V1' maximum voltage for external potentiometer operation.
	In.11	Output frequency at In.10	%	100.00	As required	Fixes the motor / output frequency when terminal 'V1' is at voltage set in parameter In.10
	In.53	Terminal 'I2' min. current	mA	4.00	0.00 or 4.00	Sets terminal 'I2' minimum current when an external milli Amp loop is used to give the speed reference
	In.54	Output frequency at In.53	Hz	0	As required	Fixes the motor / output frequency when terminal 'I2' is at mA level set in parameter In.53

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Input Group	**In.55**	Terminal 'I2' max. current	mA	20.00	**20.00**	Sets terminal 'I2' maximum current when an external milli Amp loop is used to give the speed reference
	In.56	Output frequency at In.55	%	100.00	**As required**	Fixes the motor / output frequency when terminal 'I' is at mA level set in parameter In.55

Protection Group	**Pr.04**	Load Duty	-	1	**0**	Set to '0' for normal duty applications or if motor is one size bigger (KW) than inverter rating (KW) **(IP20 models only)**
	Pr.05	Phase-loss protection	-	Binary	**As required**	Set to '01' for output (motor) phase loss protection, '10' for input phase loss protection, and '11' for both
	Pr.21	Overload Trip level	%	180	**110 - 120**	Sets fault detection level for overload. The set level will be maintained for 60s or for Pr.22 setting then drive will trip.
		No more essential parameters in this group				

***3.0kHz up to 22KW

Denotes MUST check / set parameters for best operation

All others are relative to the design requirements of the equipment and/or application or environment.

Suggested Setting - values shown are application typical only. Other setting values may be more appropriate.

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Mar-17