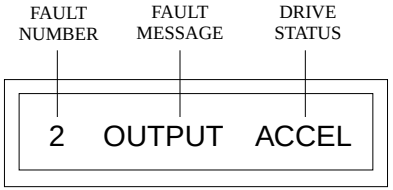
MC3000 FAULT MESSAGES

FAULT	DESCRIPTION
OUTPUT	Output Transistor fault. Output current exceeded 200%. May be ground fault or short circuit.
LO VOLTS	Low DC Bus Voltage fault. DC bus voltage dropped below 60% May be low line voltage.
HI VOLTS	High DC Bus Voltage fault. DC Bus voltage exceeded 120%. May be overhauling load .
HI TEMP	High Temperature fault. Heatsink or ambient temperature too high.
OVERLOAD	Current Overload fault. Output current exceeded 100% for too long. VFD may be undersized.
PWR TRAN	Power Transient fault.
PWR SAG	Power Sag fault: New control board installed. Perform factory reset using Parameter 65.
LANGUAGE	Language EEPROM fault.
EXTERNAL	External fault: TB-130 activated (Parameter 50).
DB ERROR	Dynamic Brake fault. DB Resistors overloaded.
CONTROL	Control Board fault. New solfware installed. Perform factory reset using Parameter 65.
INTERNAL	Internal fault
INTERN (#)	Internal fault.

MICRO SERIES FAULT HISTORY

Parameter 70 — FAULT HISTORY stores the last eight faults that tripped the drive. The FAULT HISTORY indicates the number of the fault (number 1 is the most recent fault), the fault message, and the status of the drive at the time of the fault. An example is shown below:



In the example above, the second fault is being viewed, which is an OUTPUT fault that occurred while the drive was accelerating.

MICRO SERIES PARAMETERS

NO.	PARAMETER NAME	FACTORY DEFAULT	NO.	PARAMETER NAME	FACTORY DAFAULT
0	LINE VOLTS	AUTO	29	MANUAL	KEYPAD
1	SPEED #1	20.00 Hz	30	CONTROL	LOCAL
2	SPEED #2	20.00 Hz	31	UNITS	HERTZ
3	SPEED #3	20.00 Hz	32	HZ MULT	1
4	SPEED #4	20.00 Hz	33	UNITS DP	XXXX
5	SKIP #1	.00 Hz	34	LOAD MLT	100%
6	SKIP #2	.00 Hz	35	CONTRAST	HIGH
7	BAND WID	1.00 Hz	39	TB5 MIN	.00 Hz
8	ACCEL	30.0 SEC	40	TB5 MAX	60.00 Hz
9	DECEL	30.0 SEC	42	TB10A OUT	NONE
10	MIN FRQ	.50 Hz	43	@TB10A	60.00 Hz
11	MAX FRQ	60.00 Hz	44	TB10B OUT	NONE
12	DC BRAKE	.0 VDC	45	@TB10B	125%
13	DC TIME	.0 SEC	47	TB13A	NONE
14	DYN BRAKE	OFF	48	TB13B	NONE
16	CURRENT	180%	49	TB13C	NONE
17	MOTOR OL	100%	50	TB13D	FAULT
18	BASE	60.00 Hz	52	TB14 OUT	NONE
19	FX BOOST	(NOTE 1)	53	TB15 OUT	NONE
20	AC BOOST	.0%	54	RELAY	NONE
21	SLIP COMP	.0%	58	ADDRESS	30
22	TORQUE	CONSTANT	61	PASSWORD	0019
23	CARRIER	2.5 kHz	63	SOFTWARE	(NOTE 2)
25	START	NORMAL	64	MONITOR	ON
26	STOP	COAST	65	PROGRAM	RESET 60
27	ROTATION	FORWARD	66	HISTORY	MAINTAIN
28	AUTO/MAN	BOTH	70	FAULT HIST.	(NOTE 2)

NOTE 1: REFER TO THE MICRO SERIES MANUAL.

NOTE 2: THESE PARAMETERS ARE VIEW-ONLY.

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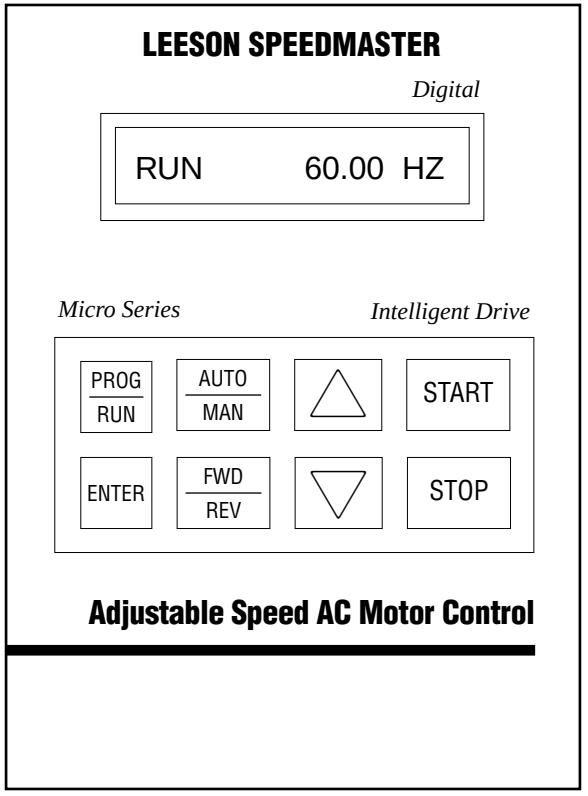
LEESON

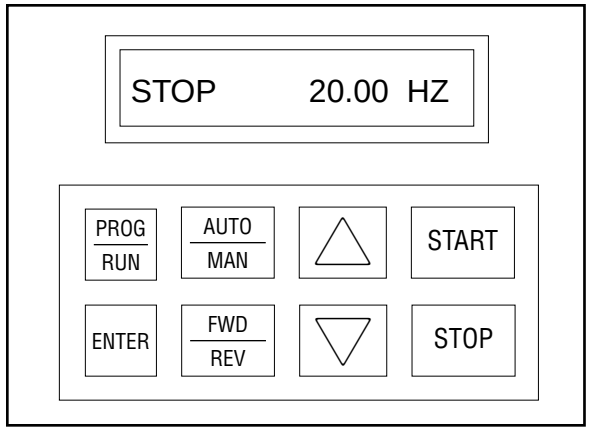
Variable Speed AC Motor Drives



Micro Series Quick Reference Guide

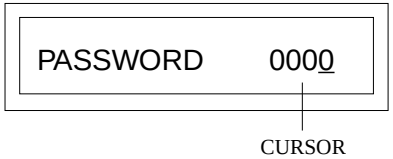
NOTE: Before installing and operating the MICRO SERIES drive, please read and become familiar with the MICRO SERIES Installation and Operation Manual.

MICRO SERIES KEYPAD



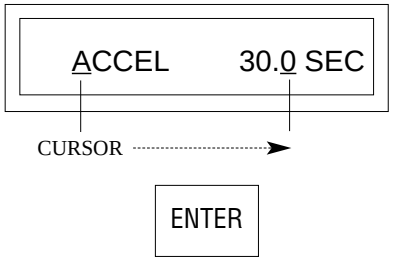
PROGRAMMING THE MICRO SERIES

1. Press the PROG/RUN key. This will cause the PASSWORD prompt to appear (unless the password protection has been disabled), as shown below:



2. Use the ARROW keys to scroll to the correct password value (the factory default password is 0019) and press ENTER. The PROGRAM mode will be entered at the start of the parameter menu. A cursor will highlight the parameter name.

3. Use the ARROW keys to scroll to the desired parameter and press ENTER. The cursor will shift from the parameter name to the parameter value, as the example below illustrates:



4. Use the ARROW keys to scroll to the desired parameter value, and press ENTER to store the new value.

5. Press PROG/RUN to exit the PROGRAM mode.

MICRO SERIES KEYPAD FUNCTIONS

START — Press the START key to start the drive. The START key is only active in LOCAL mode.

STOP — Press the STOP key to stop the drive.
NOTE: The STOP key is active in both LOCAL and REMOTE mode.

The STOP key is also used to reset faults. If the fault condition has passed, pressing the STOP key will clear the fault and return the drive to a STOP condition.

UP and DOWN ARROWS — Used to change the speed setpoint in MANUAL mode, scroll through the parameter menu, and change parameter values.

AUTO / MAN — Toggles between AUTOMATIC (terminal strip) and MANUAL (keypad) speed control.
NOTE: Parameter 28 — AUTO/MAN must be set to BOTH for this key to be active.

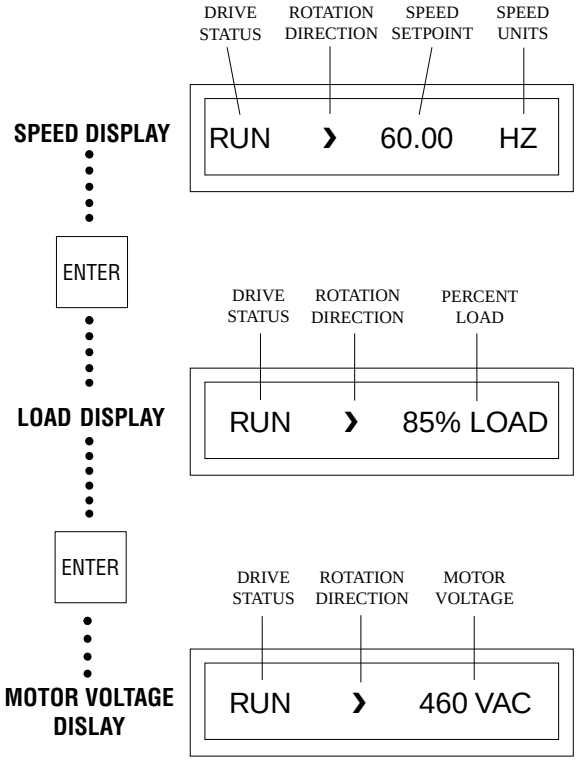
FWD / REV — Toggles between forward and reverse directions. ENTER key must pressed.

PROG / RUN — Used to enter and exit the PROGRAM mode to set the parameters.

ENTER — Used for: toggling the display between SPEED, LOAD, and MOTOR VOLTAGE; confirming new parameter values; confirming AUTO and MANUAL speed control selections.

MICRO SERIES DISPLAYS

Shown below are examples of MICRO SERIES displays. To scroll through the SPEED, LOAD, and MOTOR VOLTAGE displays, press and release the ENTER key.



Press and hold the ENTER key to activate the AUXILIARY MODE, which will toggle to a CONTROL DISPLAY. An example is shown below: