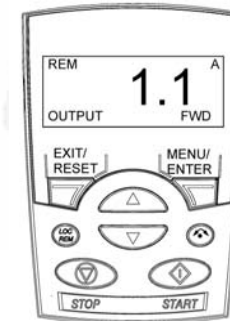


PROGRAMMING THE ABB DRIVE

IMPORTANT

- Pool must be filled before running the Riverflow® Pump
- “Bump” start to verify counter clockwise motor rotation
- Select “NO” when prompted to run startup assistant
- Set time and date
- Use the attached check list to edit and confirm parameter values
- Backup parameter settings
- To activate warranty fax or e-mail completed start-up form



Parameters Mode

1. Select PARAMETERS in the Main Menu.
2. Press UP/DOWN to highlight the appropriate parameter group, then press SEL.
3. Press UP/DOWN to highlight the appropriate parameter in a group.

NOTE! The current parameter value appears below the highlighted parameter.

4. Press EDIT.
5. Press UP/DOWN to step to the desired parameter value.

NOTE! To view the parameter default value: In the set mode, press UP/DOWN simultaneously.

6. Press SAVE to store the modified value or press CANCEL to leave the set mode. Any modifications not saved are cancelled.
7. Press EXIT to return to the listing of parameter groups, and again to return to the main menu. Use the Parameters mode to view and edit parameter values:

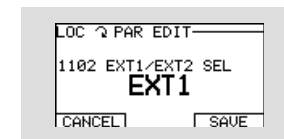
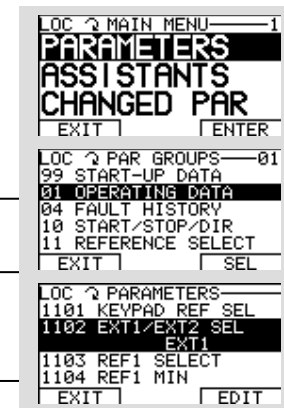
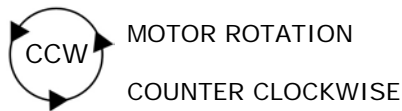


ABB TECH SUPPORT (800) 435-7365
Press 4 and then 3 and have your model number. 24 Hour 7 Day support

www.current-systems.com

PROGRAMMING THE ABB DRIVE



Fax completed form
to: (805)339-9494
for warranty activation

Parameters must be set prior to operating system

Job name _____
Startup Date _____
Model _____
Serial Number _____

| Code | Parameter Description | Selected | Check When Completed |
|-----------------|---|-----------------------|----------------------|
| Group 99 | Enter Values From Motor Data Plate * | | |
| 9901 | Language | English American (AM) | |
| 9902 | Applic Macro | ABB Standard | |
| 9905 | Motor Nom Volt | Voltage | * |
| 9906 | Motor Nom Current | Motor FLA | * |
| 9907 | Motor Nom Freq | Hertz | * |
| 9908 | Motor Nom Speed | Motor RPM | * |
| 9909 | Motor Nom Power | Motor HP | * |
| Group 10 | Command Inputs | | |
| 1001 | Ext1 Commands | DI1 | |
| 1003 | Direction | Forward | |
| Group 11 | Reference Select | | |
| 1103 | Ext Ref1 Select (Wireless) | DI 3U, 4D | |
| | Wired Remote Settings | AI1 | |
| Group 12 | Constant speeds | | |
| 1201 | Constant Speed Sel | Not Sel | |

| Code | Parameter Description | Selected | Check When Completed |
|-----------------|-------------------------|-----------|----------------------|
| Group 20 | Limits | | |
| 2003 | Max Current | Motor FLA | * |
| 2007 | Minimum Freq | 15 Hz | |
| 2008 | Maximum Freq | 60 Hz | |
| Group 21 | Start/Stop | | |
| 2102 | Ramps | Ramp | |
| Group 22 | Accel/Decel | | |
| 2202 | Acceleration Time 1 | 10 Sec | |
| 2203 | Deceleration Time 1 | 10 Sec | |
| 2205 | Acceleration Time 2 | 10 Sec | |
| 2206 | Deceleration Time 2 | 10 Sec | |
| Group 26 | Motor Control | | |
| 2606 | Frequency | 8HZ | |
| 2607 | Frequency Switch | On | |
| Group 30 | Fault Protection | | |
| 3005 | Mot Therm Prot | Fault | |
| Group 34 | Display | | |
| 3401 | RPM's | Speed | |

www.current-systems.com