



Siemens 3RW30-40 Series Soft Starter

1.0 Quick Start

Contact Your Distributor If No Electrical Schematics Were Provided with Panel






1. Verify NAE Serial on Electrical Schematics matches the serial number posted inside of enclosure
2. Connect Motor Leads to U,V,W terminals on Soft Start, Torque to specification on schematic
3. Connect incoming power to line side of disconnect, torque to specifications on Electrical Schematics.
Ensure Proper grounding per NEC and Local Code
4. Configure any phase or voltage protection devices to the appropriate settings for your incoming power.
For MotorSaver, these instructions are posted inside of enclosure.
5. Power the panel on by moving the disconnect into the **"ON"** position
6. Once Powered, verify any phase or voltage protection devices are not faulted.
i.e. MotorSaver-460 status light is green. If not, refer to instructions posted in enclosure
7. Configure Soft Start parameters for Application, using the potentiometers outlined on the back of this document.
8. To enable AUTO mode Operation, wire NO contact across terminals indicated on Electrical Schematic
9. The panel is now ready for operation

2.0 Configuration

Soft Start must be appropriately configured to application demands with the Parameterization Potentiometers before operation or operation-inhibiting faults will occur.

NAE is not responsible for damage caused by incorrect parameterization

3RW30 & 3RW40 Parameterization Potentiometers (3-5 only available on 3RW40 Series)

2.1 Remote Run: Default Control Method	
<p>1. U potentiometer</p> <p>The starting voltage value is set with the U potentiometer. This Value determines the starting torque of the motor. A lower starting voltage results in a lower starting torque (soft start) and a lower starting current.</p>	
<p>2. t potentiometer</p> <p>You define the length of the required ramp time with the t potentiometer. The ramp time determines the time taken to increase the motor voltage from the parameterized starting voltage to the mains voltage. This time merely influences the motor's acceleration torque, which drives the load during the ramp-up process. The actual motor starting times are load-dependent and can differ from the 3RW soft starter setting.</p>	
<p>3. t potentiometer</p> <p>You can set a ramp-down time with the t potentiometer. This determines how long power should still be supplied to the motor after the ON command is removed. The torque generated in the motor is reduced by means of a voltage ramp function within this ram-down time and the application stops smoothly.</p>	
<p>4. I_e potentiometer</p> <p>The rated operational current of the motor must be set with the I_e potentiometer</p>	
<p>5. xI_e potentiometer</p> <p>The current limiting value is set with the xI_e potentiometer to the maximum required starting current as a factor of the set rated motor current (I_e)</p>	

CONTACT INFORMATION:

North American Electric, Inc.

Phone: 662-429-8049 Toll Free (800) 884-0404 Fax: (662) 429-8546
350 Vaiden Dr., Hernando, MS 38632 www.naemotors.com

