

# Atlas Copco – Over Current Relay



**Steve Shrum**

**Technical Support Engineer - Generators**

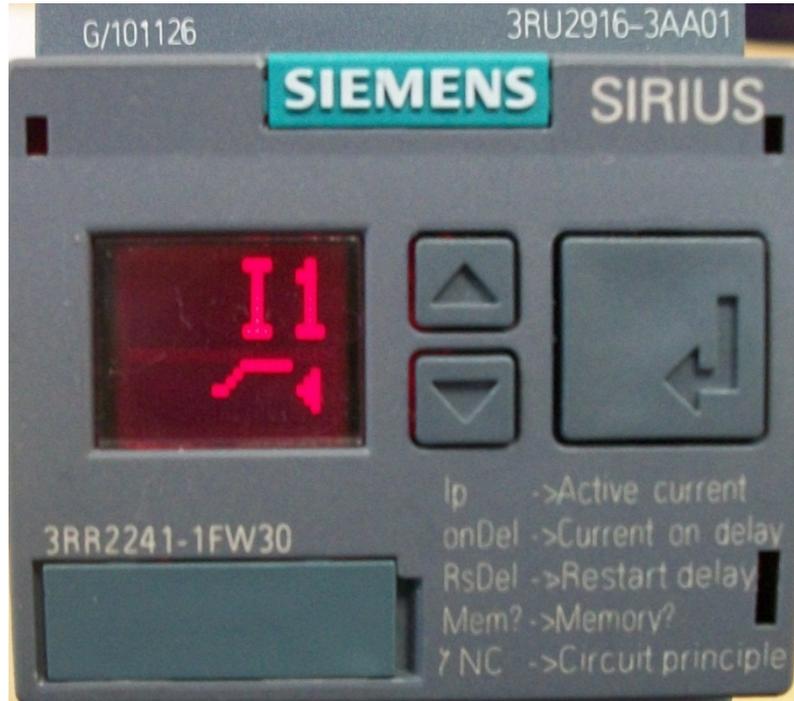


# Over Current Relay



- Atlas Copco has employed the Siemens SIRIUS over current relay for the protection of the AC main power circuit.
- The systems uses CT's (current transformers) placed on the windings of the generator end to provided current monitoring to the over current relay

# Initial Programming



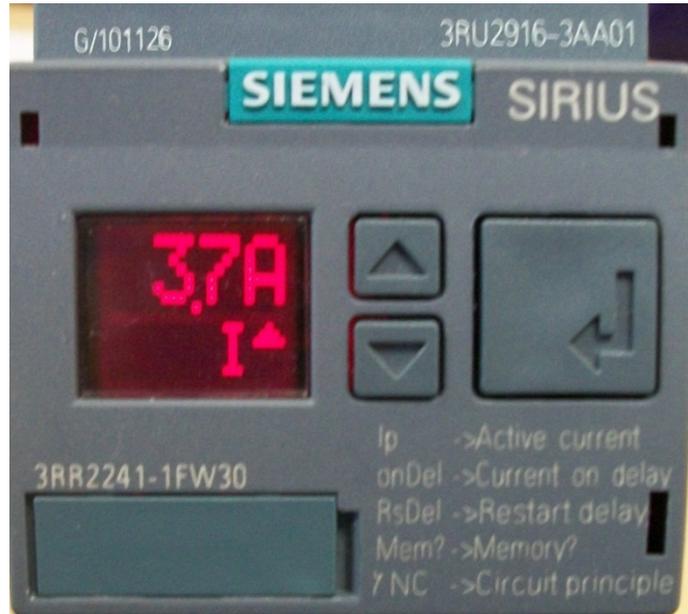
- Relay can only be programmed when powered (unit running).
- To the left is the Initial screen or start up screen. During operation when a load is applied this screen will display the amperage from the current transformer.
- Press the  button to view the next screen.

# Initial Programming



- Using the  arrows to select the OFF setting.
- Press the  button to view the next screen.

# Initial Programming



- Using the  arrows to select the desired amperage setting per the unit documentation.
- Press the  button to view the next screen.

# Initial Programming



- Using the  arrows to select the OFF setting.
- Press the  button to view the next screen.

# Initial Programming



- Using the  arrows to select the same amperage setting as on page 5 per the unit documentation.
- Press the  button to view the next screen.

# Initial Programming



- Press and hold the  button for 3 seconds.
- The following screen will be displayed

# Initial Programming



- Using the  arrows set the Hysteresis to 0.1A.
- Press the  button to view the next screen.

# Initial Programming



- Using the  arrows set the relay on delay to 0s.
- Press the  button to view the next screen.

# Initial Programming



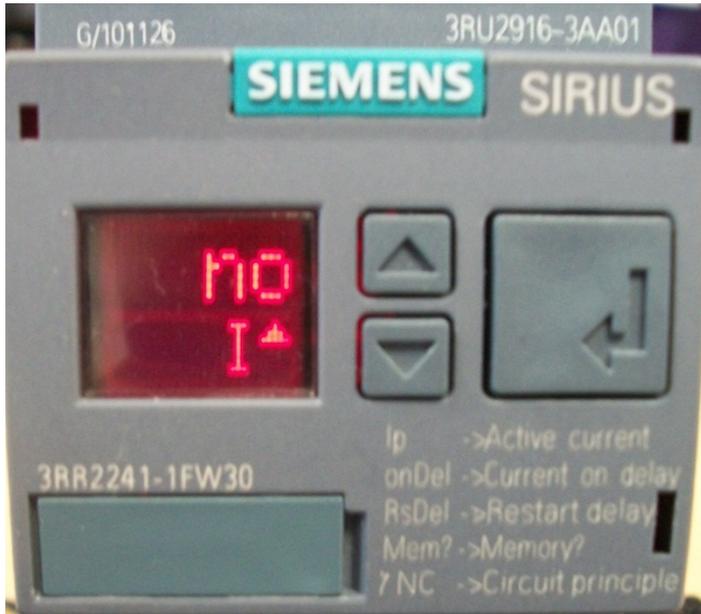
- Using the  arrows set the relay activation delay to 10s.
- Press the  button to view the next screen.

# Initial Programming



- Using the  arrows set the relay reset delay to 0s.
- Press the  button to view the next screen.

# Initial Programming



- Verify that this screen is set to NO.
- Press the  button to view the next screen.

# Initial Programming



- Verify that this screen is set to NO.
- Press the  button to view the next screen.

# Initial Programming



- Verify that this screen is set to NO.
- Press the  button to view the next screen.

# Initial Programming



- Verify that this screen is set to NO.
- Press the  button to view the next screen.

# Initial Programming



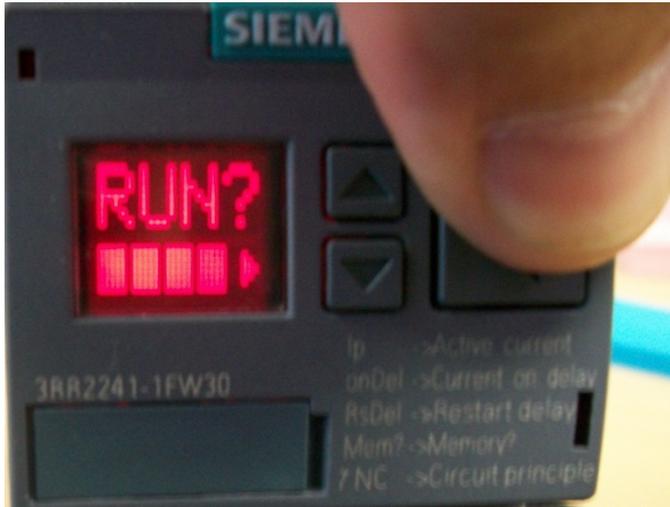
- Verify that this screen is set to Is.
- Press the  button to view the next screen.

# Initial Programming



- Verify that this screen is set to NO.
- Press the  button to view the next screen.

# Initial Programming



- Press and hold the  button for 3 seconds.
- This locks in all of the settings that have been made.
- The unit is now ready for verification testing.

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superior productivity through  
interaction and innovation.**





*Atlas Copco*

