

### **Setting up SM2000 to log the totalizer upon a real-time alarm** **Use a real-time alarm to log and reset the totalizer**



#### **Configuration Description:**

The configuration involves a ScreenMaster 2000 recorder with an analog channel configured with totalizer. Sometimes the user might want the totalizer to reset or simply log the value of the total at a particular time of the day.

#### **Applies to:**

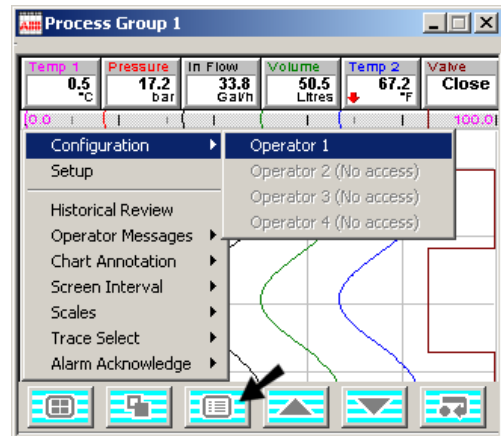
ScreenMaster2000 configured from the frontface.

#### **Instructions:**

The configuration is explained in the following steps:

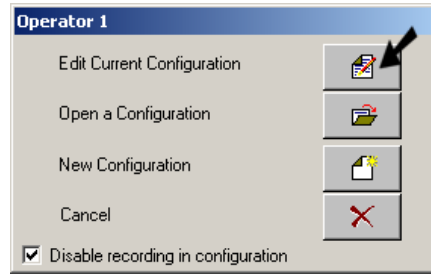
1. Enter the Configuration Mode:  
Press the Config button and then select Configuration from the menu and then your current configuration as shown in the figure:

Type your password to enter the configuration mode.

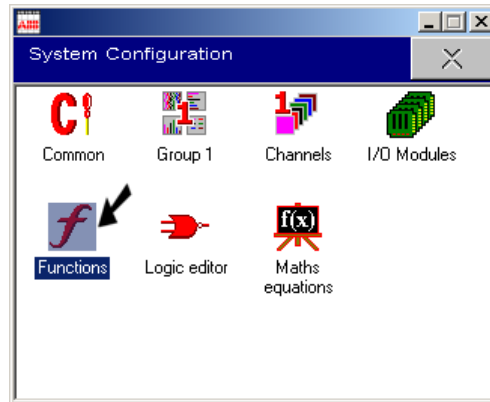


2. Select your current configuration:

Select Edit Configuration by pressing the EDIT button.

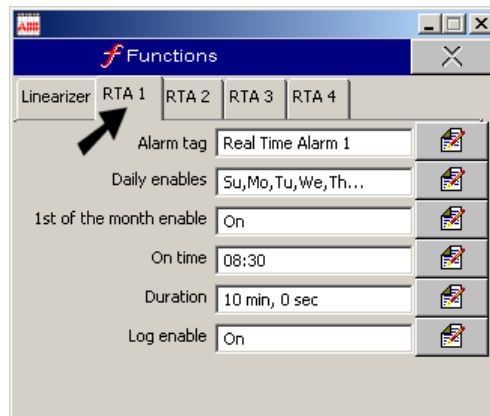


Select the **Functions** menu from the System Configuration as shown in the figure:



3. Configure a Real Time Alarm:

Select the Real Time Alarm 1 by selecting **RTA 1**

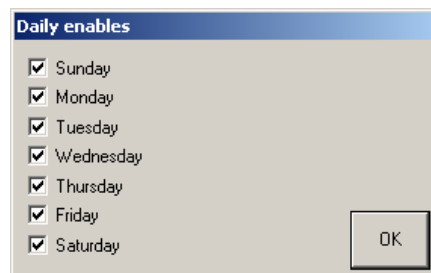


4. You can configure the real time alarm to occur at a particular time of the day by specifying the period: DAILY, MONTHLY or WEEKLY. You could also have the alarm trigger on a HOURLY basis. We will configure the real time alarm to trigger every day at 8:30 AM in this example.

Select the button next to the **Day Enables** field.

Select all the 7 days as shown in the figure:

Click on the **OK** button.

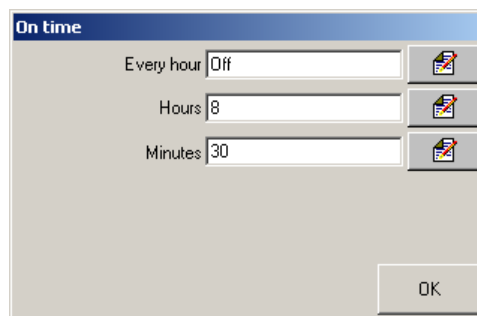


Select the button next to the **On Time** field.

Set the **Every Hour** field to Off as shown in the figure:

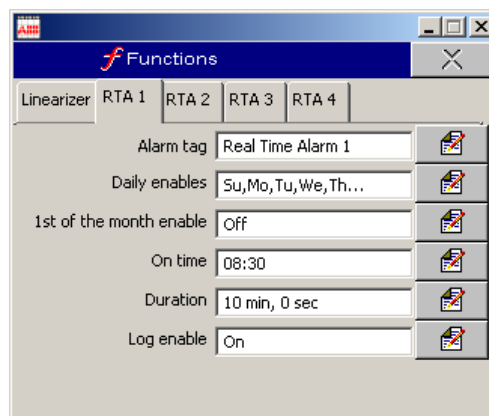
Set the **Hours** to 8 and the **Minutes** to 30 as shown.

Click on the **OK** button.



Select the button next to the **1<sup>st</sup> of the month enable** field and set it to **Off** as shown in the figure:.


Close the Functions menu.



##### 5. Configure the Totalizer for Log and Reset:

We will use the Real Time Alarm 1 (RTA 1) configured in the previous steps to log the total to the log.

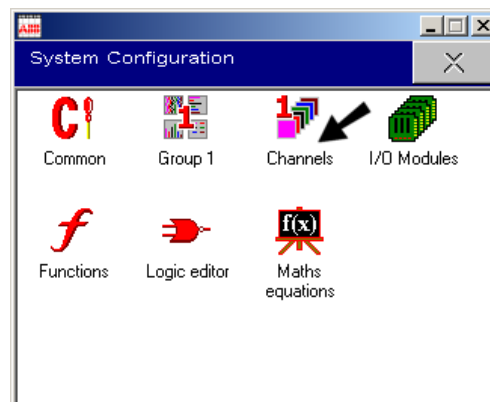
We will also use RTA 1 to reset the totalizer

 The Reset input will reset the totalizer on a low to high transition. The totalizer value will also be written to the log upon reset. We are using the same signal (RTA 1) in this example to demonstrate the configuration of Totalizer log and Totalizer reset.

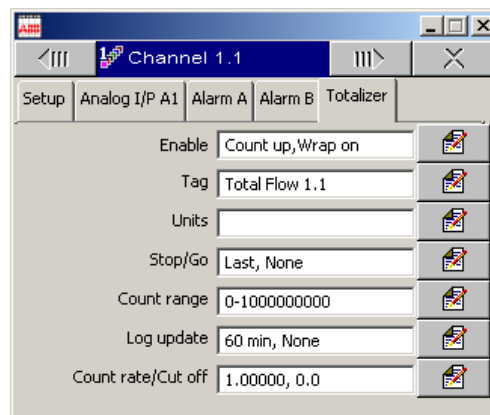
This is explained in the following steps:

Select **Channels** from the System Configuration menu.

Select the Totalizer tab for the Channel 1.1.

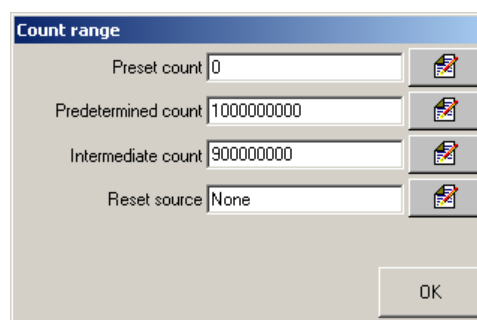


The default Totalizer configuration is as shown in the figure:

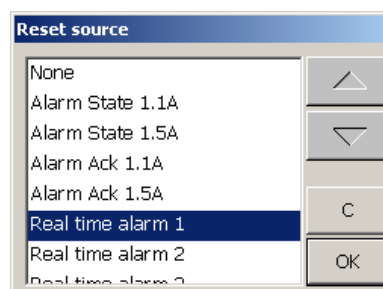


### To specify the Reset Source:

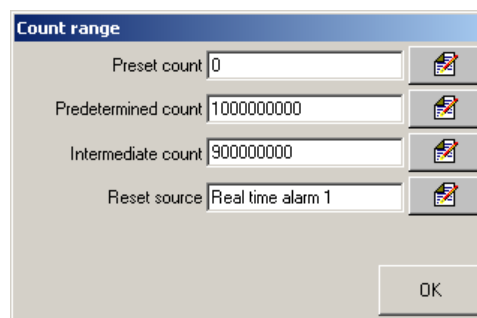
Select the button next to the **Count Range** field. The Default Count Range configuration will be displayed as shown:



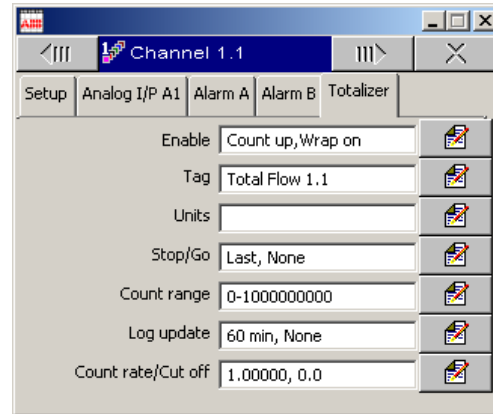
Select the button next to the **Reset Source** and then select **Real Time Alarm 1** from the menu. Select the **OK** button.



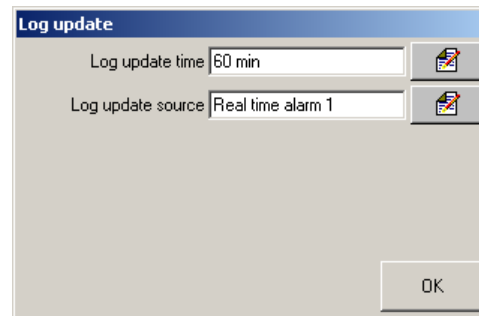
The Count Range configuration will change as shown in the next figure:  
Select **OK**.



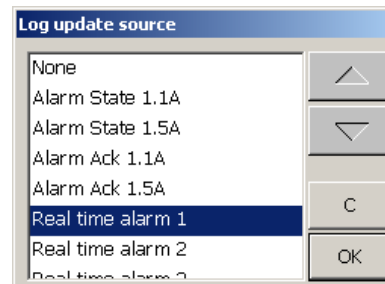
To Configure the Log Update:  
 Select the Log Update button to specify the  
 Log Update source.



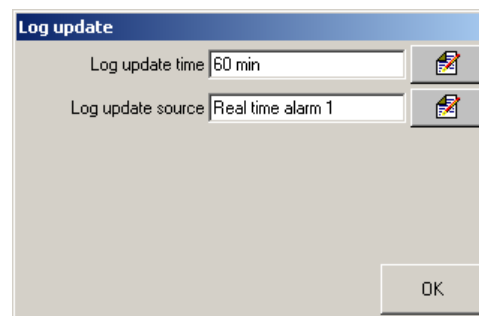
Select the button for the Log Update Source  
 button.



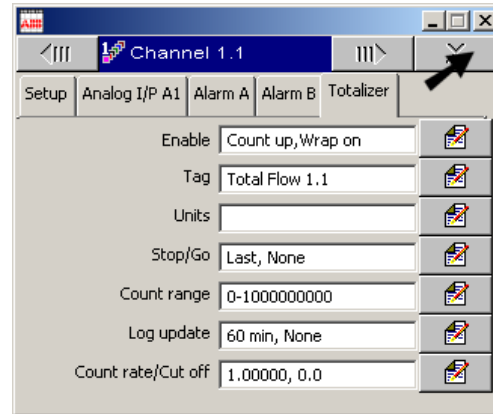
Select the Real Time Alarm 1 from the  
 menu.



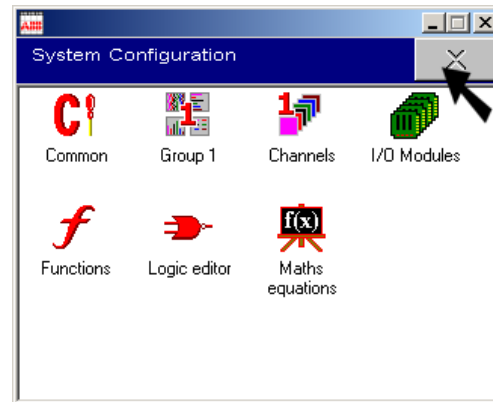
The Log Update configuration will be  
 displayed again as shown:  
 Select **OK**.



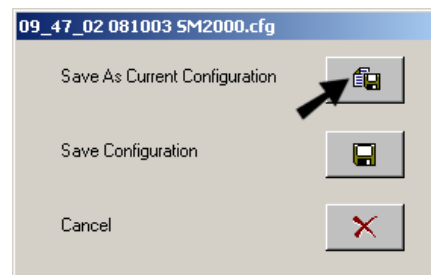
Select the Exit button on the Channel Configuration. See the next figure.



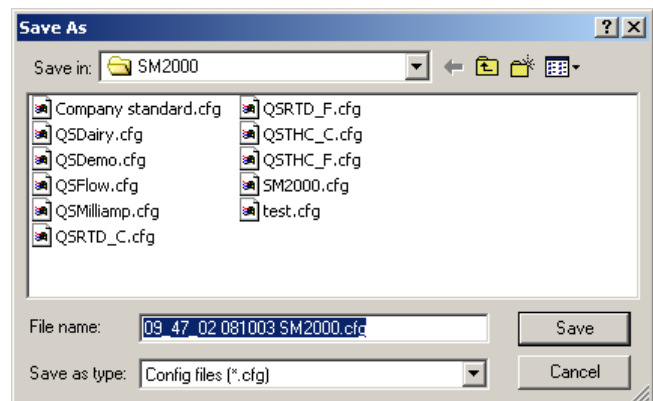
Select the Exit button on the System Configuration. See the next figure.



Save the changes to the existing configuration by selecting **Save As Current Configuration**.



Click on the **Save** button.



6. This completes the configuration.