Genetec Macro - Timed Toggle Output

Notes[(Revisions)](#)

This macro will trigger the selected output for the duration of the selected output behavior. If ran again before the timeout of the behavior, it will return the output to normal.

You need to create an Output Behavior for how long you want to trigger the output. Set the Output type to "Pulse". Set the Delay and Duration to the desired time. Delay and Duration are in milliseconds (1 sec = 1000 ms)

☐

If using the macro to unlock a door, change the door lock under the Hardware tab to an unused output. Mercury will prioritize the door unlock duration over the macro. You also need the unused output to be able to manually unlock the door (if required).

☐

Add the macro to your system. Macro definitions:

```
/*
 Will activate the selected output for the selected Output Behavior
 When ran again before the timeout of the Output Behavior, will return the output to normal
*/

using Genetec.Sdk;
using Genetec.Sdk.Entities;
using Genetec.Sdk.Scripting;
using System;
using System.Threading;

public sealed class ToggleOutputMacro : UserMacro
{
 public Guid Toggle_Output { get; set; }
 public Guid Output_Behavior { get; set; }

 public override void Execute()
 {
  OutputDevice mOutput = Sdk.GetEntity(Toggle_Output) as OutputDevice;
  OutputBehavior oBehave = Sdk.GetEntity(Output_Behavior) as OutputBehavior;

  if(mOutput != null)
  {
   if (mOutput.State == OutputState.Normal)
   {
    // Trigger output for the selected output behavior
    Sdk.ActionManager.TriggerOutput(Toggle_Output, Output_Behavior);
   }
   else if (mOutput.State == OutputState.Active)
   {
    // Returns the output to normal
    Sdk.ActionManager.TriggerOutput(Toggle_Output, new Guid("00000000-0000-0000-0000-00000000000f"));
   }
  }
 }
}
```

If desired, set the Default execution context to the desired output and output behavior.

☐

Create your event to actions to run the macro

☐
☐

- [Macro](#)
- [Changes (4)](#)

Notes

Section 1

File
Section 2

Field 2

Scott Byrkit

Configuration Item - Timed Toggle Output - Prime Communications, Inc.