

Technical Bulletin

Solex 2 Control Panel Reset & Silence -

TB 1024

Additional programming information

The Kentec Solex range of panels has been redeveloped to encompass the Solo 2 control interface. In doing so, the design of the Solex 2 panel has been rationalised, by use of a new Solex interface circuit between the Solo 2 detection component and the K4.01 Extinguishant control component.

This rationalisation process has resulted in a single 24-volt power source for all components of the panel and provision for 4 programmable changeover relay outputs. These outputs are fully programmable and may be configured by cause and effect logic to provide an output for detection loop "Mode selection input" or "Hold Off" input. The relay output can then be wired directly into the K4.01 circuit "Mode" or "Hold" inputs, to provide the required Extinguishant control function.

The Solex 2 Single Loop Analogue Addressable Extinguishing Control Panel is available with either one or two extinguishing areas. Up to 127 devices (126 for Apollo protocol) may be connected to the detection circuit, any or all of which may contribute to the release of Extinguishant in the protected area(s).

Complex logical combinations are possible through the use of simple programming, using the cause & effect wizard. The application of the true coincidence cause & effect operator may be used to maximise the detection performance in the protected area.

An example of the programming of the panel is given in Annexe 6 of the Solex 2 manual.

Silence and Reset outputs

As a part of the system integration, the Solo 2 detection and control component of the system is used to control and monitor the K4.01 Extinguishant control circuit. This is performed by the Solo 2 panel Local outputs 23 and 24, which provide the following functions on the K4.01 component.

Solo 2 Local output number	Function provided on K4.01 component
Local output 23	"Silence" Output. Silences fault/alarm events
Local output 24	"Reset" Output. Resets panel/tests lamps

In order for these Local outputs to operate for the Silence and Reset modes, it is necessary to ensure that they are configured with no output flags selected.

Use the Solo configuration program to configure these outputs. In the configuration program, select the "Configure Devices" toolbar button and in the "Devices" menu, select Local output 23. Edit this output and ensure that none of the output properties flags are selected, as shown in Fig 1.

Repeat this procedure for local output 24 and transfer this configuration into the control panel.

NOTE: In order for the Local Output 23 and 24 to operate as required, the control panel software must be the following versions;

Apollo protocol - Version 3.03 or later
Hochiki protocol - Version 3.03 or later

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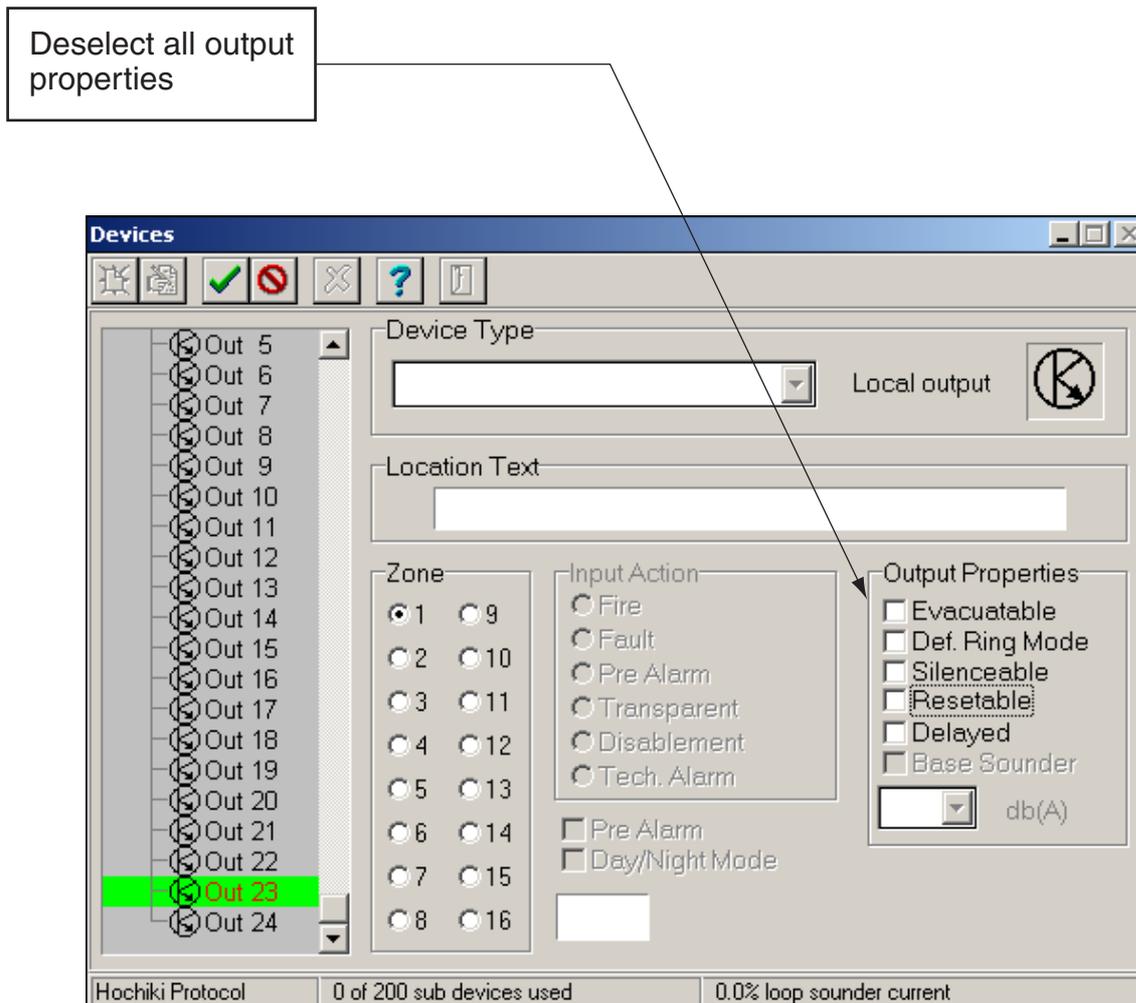


Fig 1 - Local output 23 configuration screen