

## Nittan Sensortec System Retrofit options

There are many existing installations, operating Nittan Sensortec Protocol, using a variety of Third Party fire alarm panel equipment. Some Panel partners used all Nittan devices, whereas others used only the Detectors.

The following information provides cost effective options for Nittan Sensortec Protocol system retrofit projects.

### 1. Replace with Morley ZX-se with Nittan Sensortec Protocol

Replacing the existing Panel with the latest Morley ZX-se (1, 2 or 5 Loop) offers the primary benefit of being able to retain all of the existing Nittan Sensortec detectors. If any existing detectors are faulty, new Sensortec products are drop-in replacements.

Please be aware the Morley ZX-se Nittan loop driver card has a maximum load current of 136mA and a limit of 127 device addresses. This should be sufficient for any replacement but if additional devices are required it is important to check loop loading calculations to ensure this limit is not exceeded. Please refer to TGS-08 for details of device limitations.

**Note:** If third party manufactured Call Points, I/O Modules or Sounders were used, they will need to be replaced with Nittan equivalent products.

### 2. Replace with Evolution Panel and devices

There are several options for Panels supporting Nittan Evolution Protocol, including Nittan "evolution 1" & "evo+5000" Panels along with Advanced MxPro4 & MxPro5.

Replacing the existing Panel with a Nittan Evolution offers the primary benefit of being able to retain most of the existing detector bases, as they are mechanically and electrically compatible, so minimal re-cabling is required. All Addressable Loop devices will need replacing, but this means the system will be able to support up to 254 addresses per loop and many additional features.

**Note:** Any existing Sounders and sounder bases will need to be replaced as well. If EV-PYS optical sounder detectors are required to replace existing detectors it may be necessary to replace the detector base in that instance. Older bases e.g. STB-4 may not be compatible with the EV-PYS.

If you need any further guidance please contact Nittan Technical Support:

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