

## Statement – SelfVerify® detectors maintenance procedure

Autronica Fire and Security recommend that functional test of smoke, heat and Multisensor detectors with SelfVerify® function is done automatically by the systems.

For detectors without SelfVerify® function the recommended test interval is 1 year.

These are recommendations, local regulations and more strict requirements may apply.

The SelfVerify® function is performed automatically every 24 hours, and is a calibrated self-test of the sensor elements verifying that the sensitivity of the detector is within the approved area. The SelfVerify® function includes testing the signal path to the system panel, Alarm Devices and Output units. In other words, the self-test ensures that the detector is able to initiate an alarm when it should, and at the correct sensitivity level according to EN54 part 5 and 7.

Due to the fact that the SelfVerify® test is using a calibrated test signal, Autronica Fire and Security consider this to be equal or better than a non-calibrated manual physical test with smoke or test gas.

What the SelfVerify® function does not discover is if the detector is physically covered or building/structure changes has been done. Autronica Fire and Security therefore recommend a yearly visual inspection.

The Self Verify function can also be performed on demand by an authorized technician equipped with the appropriate instrumental tools (WAS-2000/AS-2000).

The SelfVerify® function is included in the following detectors:

Heat : BD-300, BD-500, BD-500/N, BD-500/EX, BD-501, BD-501/N, BD-500/EX

Optical smoke: BH-300, BH-500, BH-500/N, BH-500/EX, BH-500/S, BH-500/S/N, BH-500/S/EX

Multisensors: BH-320, BH-520, BH-520/N, BH-520/EX (only the optical part)

The detectors must be connected to an AutoSafe or AutoPrime system for SelfVerify® to work.

Autronica Fire and Security's recommendation is based on analysis made by SINTEF, NEMKO and proven in use data since the release of SelfVerify® in 1998.

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