

To whom it may concern

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Manufacturers recommendation for testing of AutoGuard with SelfVerify® 2.0

All AutoGuard protectors V-430 with option /CD and all V-530 have SelfVerify 2.0 functionality.

An advanced Pulse Response Signal analysis is run every other second, verifying 100 % of the components in the signal chain. This will discover if any component has changed or is missing, including all electronic components, sensors, and the optical chamber itself.

For AutoGuard protectors including integrated Sounder alarm or Visual Alarm Device, SelfVerify 2.0 is also verifying the ability to signal alarm, including the sounder element and LED output (requires AutoSafe panel SW 4.12 or higher).

The SelfVerify function is initiated automatically every 24 hours from the panel and includes testing the signal path to the system panel, Alarm Devices and Output units. The SelfVerify function can also be performed on demand by an authorized technician equipped with the appropriate instrumental tools (WAS-2000/AS-2000).

In other words, the self-test ensures the protectors ability to detect fires at the correct sensitivity level according to EN54 part 5, 7, 29 and to signal alarm with sound according to EN54 part 3 and visual alarm according to EN54 part 23.

With a successful SelfVerify 2.0 test we can guarantee that the detector has maintained the sensitivity and is able to detect and warn about a fire.

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

Autronica Fire and Security recommend that functional test of AutoGuard Multicriteria protectors with SelfVerify® 2.0 function is done automatically by the systems.

For detectors without SelfVerify® function the recommended manual test interval is 1 year and testing should be performed with the WBJ-10 test tool.

AutoGuard protectors with SelfVerify 2.0 also includes a Cover Detection feature warning if the protector is covered by something preventing smoke from entering the optical chamber. This reduces the need for visual inspection to an inspection of building/structural changes affecting the detection capabilities.



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