

WBJ-5 / WBJ-6

Testing heat and optical smoke detectors Product datasheet

General considerations

There are some vital considerations to be aware of during functional testing of different types of detectors connected to an automatic fire alarm system.

The AutoSafe fire alarm system has intelligent signal processing of the sensor signals in the detectors, and have built-in algorithms intended to give earlier alarm in some occasions (smouldering fire), and also to reduce the number of unwanted alarms.

These functions might effect the response time of detectors in such a way that there will be a delay from the moment that the sensor part in the detector is in alarm until the detector sends the alarm message to the system. This function may lead to overheating and damage of a heat detector if the wrong equipment is used (for example, heat gun), and pollution and corrosion in a smoke detector if a wrong type of test smoke is being applied.

In order to avoid damage, Autronica recommends the following:

- For optical and multisensor smoke detectors, use smoke dispenser **WBJ-5/01** with test aerosol **WBJ-5/04**. The procedure described on the aerosol canister must be followed carefully.
- For heat detectors the **WBJ-6/1** heat detector tester should be used following the instructions for this instrument.

Directions to test heat detectors

- WBJ-6/1 tool will automatically start testing when infra-red beam in cup is broken.
- Green LED will flash faster.
- Hold in place until the alarm is activated.
- When the detector alarms, remove the tool from the detector.
- It will revert to standby mode (slow flashing green LED) and the internal blower will cool the heating element for a few seconds.
- If the detector fails to activate it may be faulty. Insert a replacement detector and test again.



Directions to test smoke detectors

- Insert canister WBJ-5/4 into Smoke dispenser WBJ-5/01.
- Lock into place using screw mechanism.
- Place dispenser cup over detector & discharge spray (no more than 1 sec) with slight upward movement.
- Repeat action without removing cup every 10 seconds for a maximum of 1 minute – until alarm is heard.
- If detector fails to respond, it may be faulty.
- On alarm, remove cup to allow particles to disperse. The canister (WBJ-5/04) has been designed for use solely with a dispenser (WBJ-5/01).
- Use only in accordance with directions.
- Please recycle when empty.

WBJ-5/02 – Telescopic Pole

Dimensions from 1.27m to 4.48m in 4 sections allowing access up to approximately 6 m.
Weight 1.68kg
Material Fibreglass



WBJ-6/01 – Heat Dispenser

Weight 0,6 kg
Any detector size.



WBJ-5/03 – Extension Pole

Dimension 1,13m



WBJ-140 – Removal tool for AutoSafe detectors

From 65 mm diameter to 110 mm diameter.



WBJ-5/01 – Aerosol Smoke Dispenser

Weight 0.53 kg
Detector sizes up to approximately 100 mm.
(Sensing chamber only needs to be sealed within the cup). For use with all types of Autronica Smoke detectors.



Part number	Description
116-WBJ-5/01	Aerosol Smoke Dispenser
116-WBJ-5/02	Telescopic Pole
116-WBJ-5/03	Extension Pole
116-WBJ-140	Removal tool for AutoSafe detectors
116-WBJ-6/01	Cordless heat detector test kit (complete kit including the cordless heat detector tester, two battery batons, plus one battery charger)

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