

# FlameVision WT300 Walk Test Tool

## Operating Instructions

Installation Sheet 120.415.887 Issue 1

### INTRODUCTION

The WT300 Walk-Test Tool is a hand-held unit for remotely activating the self-test features of the FlameVision FV300 detectors. The unit is battery powered and can activate the alarm test, window test or reset the FV300 detector from a range of over 6m by using an infra-red link.

The WT300 is intrinsically safe (ATEX and IECEx approved) and can be used in hazardous areas. It is housed in a plastic enclosure with an anti-static coating. To prevent accidental operation, the WT300 needs to be unlocked using the keypad before a command can be sent.

Refer to the FV300 manual for more details on the Alarm Test, Window Test and RESET functions.

*Note: The WT300 is **not** a test source, it remotely activates tests which use IR sources within the detector.*

### TECHNICAL SPECIFICATION

#### MECHANICAL

##### Dimensions

HWD: 152 x 83 x 34mm

##### Weight

WT300 Walk Test Tool: 190g

WT300 Walk Test Tool + batteries: 238g

##### Materials

Housing: ABS with anti-static coating

#### ELECTRICAL

Batteries: 2 x Duracell Procell MN1500 AA size primary batteries (supplied)

Operating Time: Up to 1000 single actuations from new fully charged batteries

Operating Temperature: -5°C to +40°C

#### APPROVALS

The WT300 is certified intrinsically safe to the ATEX directive and IECEx by Baseefa to EN60079-0:2004 and EN60079-11:2006. It is suitable for use in hazardous area zones 1 and 2 over an ambient temperature range of -5°C to +40°C up to temperature class T135°C (T4) gases.

It is certified:

ATEX code:  II 2G  
Certificate: Baseefa07ATEX0224

IECEx/Cenelec Code: Ex ib IIC T4  
Certificate: IEC Ex BAS07.0040

#### FITTING / REPLACING BATTERIES

**WARNING:  
BATTERIES MUST ONLY BE CHANGED IN A  
NON-HAZARDOUS AREA.  
USE ONLY DURACELL PROCELL MN1500  
BATTERIES.**

The WT300 is an intrinsically safe unit and has been approved to use Duracell Procell MN1500 batteries only. No other types may be used in a hazardous area.

In a safe area, undo the two screws and remove the cover from the battery compartment. Remove the old batteries. Fit a pair of new batteries noting polarity as shown by markings in the bottom of the compartment. Refit the cover and secure with the screws. Dispose of old batteries considerately.

#### COMMISSIONING

The WT300 is supplied with two batteries. Fit the batteries as described above. Activate the unit by pressing the Reset button followed by the Window Test button. The Transmit LED will now flash to show the unit is ready to transmit. Press and hold any of the buttons for more than one second. The Transmit LED will now turn on to show that the unit is transmitting the command. Release the button and leave unit for at least 60 seconds. The Transmit LED will stop flashing and the unit will turn off.

The WT300 is now ready for use.

#### OPERATION

The WT300 uses an infra-red link to send commands to the FV300 detector to activate the alarm test, window test or to reset the detector. The unit is normally turned off, in sleep mode, with no indications showing and the keypad locked to prevent commands being sent if a button is accidentally pressed.

#### INDICATORS:

Battery Condition LED (Yellow)	
- Flashing:	Batteries need to be replaced
Transmit LED (Red)	
- Flashing:	The keypad is enabled and the unit is ready to transmit
- Steady:	A command is being transmitted

#### HOW TO:

##### Unlock the keypad:

Press and release the Reset button, the Transmit LED will flash, and then press and release the Window Test button within 2 seconds. The Transmit LED will continue to flash and the keypad is now enabled. If the Window Test button is not pressed within 2 seconds after the Reset button then the Transmit LED will turn off and the unit will go back to sleep.

##### Send a command:

Unlock the keypad so that the transmit LED is flashing. Point the unit at the detector and then press and hold the appropriate command button for at least 1 second. The Transmit LED will become steady and the command will be sent on the IR link. The detector will flash the Fault LED (Yellow) briefly to show it has received the command. If the button is held down, the WT300 will continue to transmit the command once a second. The unit will stop sending if the button is released or after 20 repeated transmissions and the Transmit LED will change from steady to flashing.

##### Turn the WT300 off:

The unit turns itself off 60 seconds after the last button has been pressed. The LEDs are turned off and the keypad is locked.

**BATTERY MONITORING:**

The battery condition is checked regularly and the battery condition LED (Yellow) will flash if the batteries need to be replaced. The battery condition LED will flash whilst the WT300 is being used (keypad unlocked) and will continue for a short time after the unit has turned itself off. The WT300 can still be used if the batteries are low but the operating range will be reduced.

**AIMING AND RANGE**

The WT300 is designed to send commands to an FV300 detector from a range of at least 6m. The IR link requires a clear line of sight to the detector. In some areas the range will be greater than 6m depending on sunlight and local lighting conditions. When sending a command, point the WT300 at the detector and hold the command button until the detector confirms reception by flashing its Fault LED. At long ranges it may be necessary to move the WT300 around to establish the link.

**WARNING:**

**IR TRANSMISSIONS CAN BE REFLECTED AND CAN ACTIVATE OTHER DETECTORS AS WELL AS THE ONE BEING TESTED. ALL DETECTORS RECEIVING A COMMAND WILL BE ACTIVATED. TAKE APPROPRIATE ACTION TO ENSURE ALL DETECTORS IN AN AREA CAN BE SAFELY TESTED.**

**SAFE USE**

Do not use the WT300 if the battery cover is not properly fitted or the unit is damaged in any way.

**SERVICE AND MAINTENANCE**

The WT300 contains no field serviceable parts. It should not be opened, other than the battery compartment to replace the batteries.

If the Transmit LED does not flash after the Reset button is pressed when trying to unlock the keypad or the operating range reduces then replace the batteries.

**ORDERING INFORMATION**

Walk Test Tool: 517.300.021  
Spare AA Batteries: 125.030.300

JM/tj  
22<sup>nd</sup> January 2008

