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ADT 700

ADT 700 ACOUSTIC TESTER AND CALIBRATOR FOR DETECTORS SERIES AD 700

ADT 700 is an unique tool for installing and testing the function of the detector. The Acoustic calibrator ADT 700 sends out a frequency spectrum, a number of signals with specific frequencies and amplitude. The acoustic signals in the room from ADT 700 are recorded by AD 700 with a wide band microphone. The signals are filtered and then processed and evaluated. The microprocessor compensate for the early reflections and select the best algorithms for the position of the detector to ensure maximum detection capacity. As the signal undergoes dramatic changes during its travelling from the smashed window to the detector because of these reflections and the attenuation the signal looks different depending on distance. The AD 700 therefore has 3 different ranges. In each range the decision algorithm is different. With the ADT 700 tester it is possible to make the real test of the range setting. The detector measures the characteristic signal and its processor gives the installer a recommendation what setting is the best one for the selected installation.

Digital Room Compensation procedure (DRC)

1. Prepare the detectors for DRC testing. The units should be in Day mode and LED in Monitor mode (DIP switch position 2 in OFF state or external AIS signal applied).
2. Put the power on by pressing the START button.
3. Direct the ADT700 tester towards the AD700 and bring it closer within a range of 0.7 to max. 1,5m.
4. Send a start command by pressing the START button again. The detector enters DRC mode confirming it by flickering LED.
5. Go to the furthest position of the protected object and point the tester towards the detector. Press the DRC button 2-5 times from different angels.
6. DRC range calculated by the detector will be displayed as pulses from 1 to 3. In case of reception of too weak or too strong signals outside compensation range (detector placed too far away or too close), detector will not show DRC range.
7. Finish DRC procedure by sending an acoustic STOP command within 0.7-1,5 m from the detector.
8. If the DRC range measured by the detector is different from actual DIP switch (positions 4,5) settings, the detector will continuously display the proper range number (1 to 3) to be set in detector.
9. You can leave this state by press STOP button again.



Timeout

Both the detector and the tester are equipped with timeout functions. The AD700 detector will quit DRC mode after 3 minutes and the ADT700 tester will switch the power off to preserve energy after 3 minutes without any noticeable operator activity.

Low battery

The LED signals the state of the battery:

- LED green continuously shines - the battery state is OK
- LED green is blinking - the battery needs to be recharged

Battery recharging

Battery can be recharged with the help of external DC source

During recharging red LED is permanently on

CAUTION !

ADT700 produces very loud acoustic signals. Do not operate it in proximity of the ears.

PRODUCT CODE	PRODUCT DESCRIPTION	HOUSING	PACKAGING
ADT 700	Acoustic tester and calibrator for AD 700	White plastic	1 set