JA-150F Wireless flood detector

The detector is a wireless component of *JABLOTRON* system. It is a kit of JA-150M and LD-81 module. It detects flood by water or other non-aggressive conductive fluid. The detector sends activation signal when electrodes are connected (flood by water). When electrodes are disconnected, it sends deactivation signal. The detector takes one position in the system.

The product must be installed by a trained technician with a valid certificate issued by an authorizes distributor.
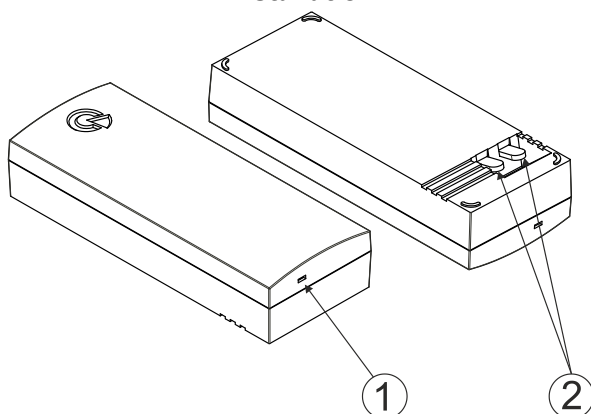
Installation

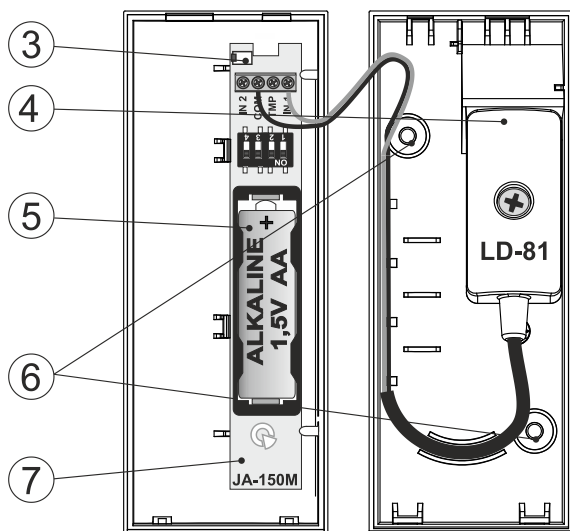*Figure 1:* 1 – opening, 2 – detection electrodes

Figure 2: 3 – cover tamper contact, 4 – LD-81 module, 5 – battery holder, 6 – marked holes for fixed mounting, 7 – JA-150M module

Detector is suitable for installation e. g. under appliances where there is a risk of leakage off fluids (washing machine, dishwasher, boiler, e. g.). It can be installed by putting down on the floor or it can be mounted by screws as protection against theft.

Open the detector by a thin tool (1).

1. If necessary, drill the marked areas (6) and screw the plastic base to the desired location (it is recommended to seal the holes with a suitable chemically neutral sealant to prevent any fluid from entering the detector)
2. Proceed according to the control panel installation manual.
   Basic procedure:
   a. Go to the *F-Link* software, select the required position in the Devices tab and launch the enrollment mode by clicking on the Enroll option.
   b. Insert the battery to the module, an enrollment signal is transmitted to the control panel and the detector is enroled to the selected position.
3. Close the detector cover.

Notes:
- Enrolling can also be done by entering the serial number in F-Link (1400-00-0000-0001). All numbers stated under.
- Factory settings of the detector and cable connection is done, **DIP switch configuration should not be change!**
- The supplied JA-150M module in the JA-150F kit is prepared and configured exclusively for use in the JA-150F kit. Therefore, it cannot be replaced by the JA-150M module in the event of failure and module from the kit cannot be use neither as JA-150M module separately.

Battery replacement

The system sends a report automatically when the battery is low. Remember to switch the system to Service or Maintenance mode before changing the battery. (Otherwise, a tamper alarm will be triggered).

Warning: Detection electrodes must be dry (standby mode) when a new battery is inserted, the detector reads the inputs and takes the status as default.

Technical specifications

Kit contains	JA-150M and LD-81
Technical parameters of kit	
Power	1x alkaline battery, type AA (LR6 1.5 V/2.4 Ah)
	Please note: Battery is not included
Typical lifetime of battery	about 2 years
LowBatt state	<0.92 V
Quiescent current consumption	40 µA
Maximum current consumption	120 mA
Communication frequency	868.1 MHz, protocol JABLOTRON
Maximum radio-frequency power (ERP)	13 mW
RF range	approx. 300 m (unrestricted area)
Dimensions	110 x 45 x 20 mm
Weight (without battery)	60 g
Operational temperature range	-10 °C to +40 °C
Average operating humidity	75 % RH, non-condensation
Complies with	ETSI EN 300 220-1,-2, EN 50130-4, EN 55032, EN 62368-1, EN IEC 63000
Can be operated according to	ERC/REC 70-03
Recommended screw	2 x ⌖ ø 3,5 x 40 mm (countersunk head)

JABLOTRON ALARMS a.s. hereby declares that the kit of JA-150M and LD-81 is in compliance with the relevant European Union harmonisation legislation: Directives No: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU, when used as intended. The original of the conformity assessment can be found at www.jablotron.com – the Downloads Section.

Note: Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please return the product to the dealer or contact your local authority for further details of your nearest designated collection point.