FG-ECS KIT
Water And Base Sense Cable Kit

Product Datasheet

► ECS Kit = Electronic Box + ECS Sense Cable
► Detects Water & Base Liquids
► Stand-alone System
► Small and Easy to Use

Description

The TTK FG-ECS water detection Kit provides rapid detection of any water leak. The FG-ECS Kit is a standard length of water sense cable with an electronic box, which can be connected directly to an air-conditioning unit, a fan convector or a PLC input. The FG-ECS Kit acts immediately of leaks.

Key Advantages

A STAND ALONE SYSTEM
The FG-ECS Kit ensures permanent detection of areas at risk (ducts, flanges, valves, under-window air-conditioning units and fan convectors). The FG-ECS Kit is available in standard and pre-finished lengths of 9, 22, 49 ft (3, 7, 15 m). The water sense cable must be installed to cover the areas at risk and thus limit the consequences of an undetected leak.

EASY INSTALLATION
The FG-ECS kit is fitted with an electronic box, to be connected to a 2-pair link cable. The first pair available is used for supply in 24V AC/DC, the second is the fault signal, connected in Normally Open (NO) or Normally Closed (NC). The 0V (connection point 12) should be connected to the ground of the power supply.

The extremities and on-line junction of the FG-ECS Kit are waterproof and mechanically tested.
The sense cable should be dryed shortly after detecting a leak.
Special fixing clips are used to hold the length of cable sensing in the chosen location.
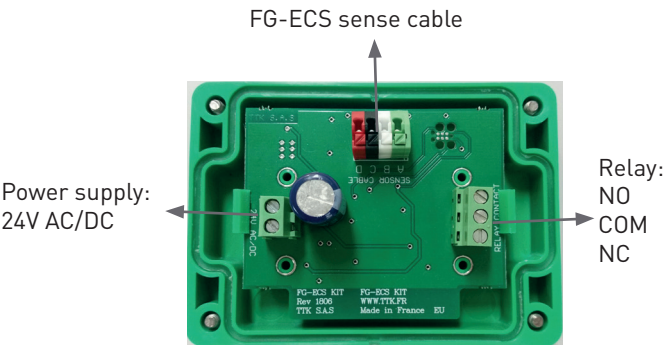
A TOUGH AND STURDY DESIGN
Small in diameter, the FG-ECS sense cable is light, flexible and of a recognizable colour. Its helical construction, connected on an extruded central core reduces the risk of contamination and untimely alarms. Operation of the detection system is facilitated by a short drying time of the FG-ECS sense cable.
It is made in a tested material, which is abrasive-resistant in hostile environments.
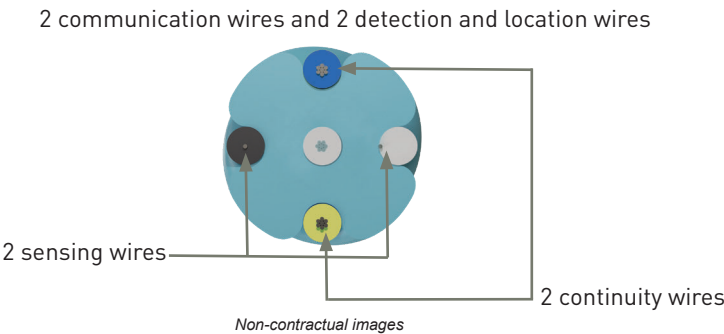
Technical Data

Maximum Length of FG-ECS Cable per Kit	49 ft (15 m) of FG-ECS sense cable
FG-ECS kit Supply Voltage	24 VAC/VDC
Maximum Relay Capacity	60W (30V x 2A)
Maximum Relay Voltage	125 VAC, 220 VDC
Reusability	Reusable, as long as the cable hasn't been damaged by prolonged immersion in liquid
Drying Time for Cable After Leak	Less than 10 seconds
Sense Cable Nominal Diameter	0.3 ± 0.02 in (7.5 ± 0.5 mm)
Central Core Material	LSZH based on PE
Minimum Bend Radius	0.79 in (20 mm)
Color	Sense cable: dark blue; enclosure: green
Operating Temperature	5°F à 131°F (-15°C to 55°C)
Ingress Protection	IP 67
Enclosure Type	ABS Polylac 707 (a natural ABS), UL94HB
Dimensions (W,H,D)	4.13''W x 2.95''H x 2.17''D (105mmW x 75mmH x 55mmD)

Product Diagram

FG-ECS sense cable

Power supply:
24V AC/DC

Relay:
NO
COM
NC

FG-ECS Sense Cable Cutting View

2 communication wires and 2 detection and location wires

2 sensing wires

2 continuity wires

Non-contractual images

FG-ECS Sense Cable Belden Tip

FG-ECS Sense Cable End Termination Tip

Identification Codes

FG-ECS-Kit 3	12/24V AC/DC Analog Interface - Water & Acids Cables 9 ft (3 m)
FG-ECS-Kit 7	12/24V AC/DC Analog Interface - Water & Acids Cables 22 ft (7 m)
FG-ECS-Kit 15	12/24V AC/DC Analog Interface - Water & Acids Cables 49 ft (15 m)
Accessories:	
CF-EC100	100 Hold-down Clips with Adhesive for Water & Acids Cables
ES-EC	40 Tags for Water & Acids Cables

Certification

CE