Active RFid
Active radio-frequency identification

COIN RH

Ref. IDF1050

- **Internal relative humidity sensor**
- **User-definable Tag's Identifier (RW)**
- **High Receiving range: 40 to 80 meters (open field)**
- **Autonomy: up to 10 years (according to settings)**

Technical specifications	
Battery power supply	3 VDC – CR2032 Internal battery
Frequency	433.92 MHz
Operating temperature	-30°C to +70°C
Resolution	0.05 %RH typical
Typical Accuracy out of calibration	+/- 3.0 %RH typical at 25°C
Response time	8 sec typical at 25°C at τ (63%) Air Flow 1m/s
Measurement range	0 to 100% RH
Hysteresis	+/- 1 %RH typical
Non linearity	+/- 3 %RH typical (row data), << 1 %RH typical (linears)
Long-term deviation	< 0.5 %RH/year typical
ID code & RH data format	Transmitted code = XXXYYY xxx: Identifier code from 800 to FFF(hexa) yyy: Humidity data (hexa)
Duty cycle	From 1.3s to 12hours by programming
Settings & configuration	By SCIEL PROG IR tool and ERW software
Reader's compatibility	SCIEL Reader Family
Battery level management	ID code for Low level of Battery (configurable) in alternated emission with the Tag's ID code. Ex: XXXFFF where xxx stands for the Tag's ID code and FFF the ID code for the low level of battery
Housing	Size: ∅ 36mm base – thickness 10mm Weight: 11g Material: Delrin Mounting: ∅ 3mm 2 holes, spaced of 32mm

Standards	
EN 301 489 – 3: 2002 V1.4.1	CE 0536, FCC part 15
EN 300 220 – 2007: V2.1.2	FCC ID: RVVCOIN10XX
RoHS Certified	IC: 20429-COIN10XX

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

CE FC IC