

Active RFID TAG Code Repeater



SCI EL REPEATER
Ref. SCIBT32

Reader & Re-emitter of ID codes for Active Tags and Badges

- 👁️ Integrated 433Mhz Reader's antenna (external in option on demand)
- 👁️ User-definable reading distance, through PC running freeware
- 👁️ EMC: complies with I-ETS 300-683 standard for electromagnetic emissions
- 👁️ IP54 Waterproof ABS casing

Description of the system

- 👁️ Used to **perform « in mid-air» reading** of several Active RFID tags located in a mobile trailer from a fixed base
- 👁️ Allows to re-emit to the outside all the Active Tag's ID codes placed inside of a metallic enclosure, which may strongly attenuate the radio signals (trailer, container, wagon, vehicle, bus, ...)
- 👁️ Receives all ID codes for the Active tags located in the area, defined by the antenna's settings
- 👁️ Transmits simultaneously these codes through the antenna, installed outside of the enclosure. The selection of the external antenna (not included) depends of the site's characteristics

TECHNICAL SPECIFICATIONS

Power supply	12V
Average Current	20mA@12V
Frequency	433.92 MHz
Reception	Integrated Reader and ¼ wave antenna – "On-Line" mode defined by default
Detection Distance	User-definable from 1 up to 30m, over 360°, by the ERM configuration software, running on PC
Emission	Integrated High Range Emitter (up to 200m). User definable emission power, by DIP switches with 3 predefined levels
	SUBD RS232 Male connector - Gland connector for power supply – Female BNC connector for Emission Antenna (compatible antenna's modes : Halfwave MGB – Foil II – Slender II – AY71 – AY102 – Flat Ant)
LED Indicator	Green LED for power supply indication
Housing	ABS material – 180 x 110 x 90mm – IP54 Waterproof 4 interval holes for wall mounting
Operating temperature	-25°C to +60°C
Standards	EN 301 489 – 3: 2002 V1.4.1; EN 300 220 – 2007: V2.1.2; CE; RoHS Certified