

Active RFID TAG Code Repeater

SCI EL REPEATER

Ref SCIBT32

- 🕒 Reader & Re-emitter of ID codes for Active Tags and Badges
- 🕒 Re-emitter External antenna connector.
- 🕒 Re-emitter range up to 200m
- 🕒 Integrated 433Mhz Reader's antenna (external in option on demand)
- 🕒 IP54 Waterproof ABS casing
- 🕒 User-definable reading distance, through PC running freeware.



Description :

This system is used to perform « in mid-air » reading of several Active RFID tags located in a mobile trailer from a fixed base. Our SCI EL REPEATER product 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, ...).

An ELA's RFID reader with antenna, integrated in the box, receives all ID codes for the Active tags located in the area, defined by the antenna's settings. An ELA's RFID emitter 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.

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
Operating temperature	SUBD RS232 Male connector - Gland connector for power supply - Female BNC connector for Emission Antenna (compatible antenna's models : Halfwave MGB - Foil II - Slender II - AY71 - AY102 - Flat Ant)
DEL Indicator	Green DEL for power supply indication
Housing	ABS Material, 180x 110 x 90 mm - IP54 Waterproof - 4 internal holes for wall mounting
Operating Temperature	-25° to 60 °C
Standards	EN 301 489 - 3 : 2002 V1.4.1 ; EN 300 220 - 2007 : V2.1.2 ; CE Mark ; RoHS Certified