



Radio products/  
Long range radio link, low power consumption



# MARCONI



**Guglielmo Marconi** was an Italian inventor and electrical engineer known for his pioneering work on long-distance radio transmission and for his development of Marconi's law and a radio telegraph system. He is usually credited as the inventor of radio, and he shared the 1909 Nobel Prize in recognition of his contributions to the development of wireless telegraphy.

# MARCONI

*Radio Link*

**LINK-T4E  
TRANSMITTER  
(encoder 4 CH)**



**up to 5 Km  
bidirectional  
transmission**

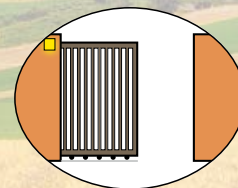
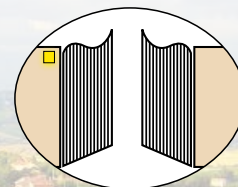
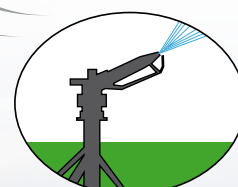
**LINK-R4  
RECEIVER  
(decoder 4 CH)**



**up to 1 Km  
bidirectional  
transmission**



**LINK-T4X**



## Radio products/ Long range radio link, low power consumption



The half-duplex radio link **MARCONI** is used for the remote control of gates, lights, alarms, irrigation systems, etc. It guarantees very long communications distance, high sensitivity, reduced energy consumption and high immunity to interference. It works thanks to the combination of **LINK-T4E** and **LINK-R4**.

LINK-T4E is a transmitter with encrypted communication capable of driving the LINK R4 receiver. This system allows to activate remote loads and it is perfect for long distance applications of activation and control, for example irrigation and alarm systems.

Cyclic reception also allows to get a consumption lower than 1mA, enabling also the usage in applications with battery supply.

### BI-DIRECTIONAL

This bi-directional communication makes it possible for the transmitter to know the status of the activated output. The transmitter LINK-T4E allows up to 5 Km of bi-directional transmission whilst LINK-T4X up to 1 Km.



The LoRa technology allows long range transmissions thanks to its point-to-point wireless communications system

### TECHNICAL DATA

Voltage: 9÷26 Vdc / 12÷26 Vac

Average consumption at rest with all the contacts open:  
decoder = 0,8÷1 mA

Maximum consumption (Tx RF) with all the contacts open:  
encoder = 45 mA / decoder = 45 mA

Max relay contacts power: 5A@12VDC / 5A@220VAC

Frequency: 868,30 MHz

RF power: decoder = 13÷14 dBm / encoder = 10÷12 dBm

Modulation: LORA™

Operating temperature: -20°C, +70°C

**Dimensions: 72 mm x 68 mm**

**Receiver's memory: up to 48 encoders (transmitters)**

**Configuration of the outputs: mono-stable, bi-stable, impulsive**

APE - 519 / 0025



**LINK-T4E**

4-Channels transmitter with EXTERNAL ANTENNA

APE - 519 / 0020



**LINK-R4**

4-Channels receiver with ANTENNA

APE - 519 / 0022



**LINK-TX4**

4-Channels remote control for LINK-R4

Products compliant  
with CE limits,  
certificates

