

DigiLink 3



Professional Wireless Solutions

Multi-Input Telemetry Transmitter



Scope's latest generation of DigiLink transmitters are fitted with high specification transmitter modules to provide solid, reliable signalling to RX10, RX2 or other suitable receivers.

DigiLink 3 has either five or ten inputs which can be activated by volt-free or voltage triggers or a mixture of both dependant on the configuration. A relay output is provided to indicate loss of external (mains) power.

Regular 'In Service' calls can be automatically transmitted which can trigger a 'fault' zone on the receiver if the calls are not received. This gives the end-user confidence that the system is operating properly. The 10 zone version also has a special 'Burglar Alarm' mode with configurable entry/exit delay, transit zones and entry zone.

For advanced users who wish to program the unit themselves, a Programming Kit can be purchased. This consists of Windows based application software and a USB cable for PC. This allows all functions to be programmed and stored in secure non-volatile memory.

12VDC, 24VDC and mains powered versions are available, with an optional battery back-up facility for the mains models.

Features

- Fully programmable zoned input UHF transmitter
- 5 zone and 10 zone models
- All inputs independently configurable as dry contact or voltage inputs
- Mains powered, 24V and 12V DC models
- Ranges of up to 1 mile with standard 1/4 wave aerial
- All parameters PC programmable

See next page for further details

Specification

Mains Powered Models

Footprint: (H)* 328 x (W) 190 x (D) 75 mm
[*496 mm with 1/4 wave antenna]

Power Input: 90-230V AC 50-60 Hz
@250mA

Facilities required: 230V ac 13A mains socket or 5A fused spur within 1 metre of unit.

DC Powered Models

Footprint: (H)* 185 x (W) 140 x (D) 42 mm
[*335 mm with 1/4 wave antenna]

Power Input:

12V model: 12V-13.8V dc @ 0.8A (max)

24V model: 13.8V - 24V dc @ 0.8A (max)

ALL MODELS

Frequency Range: 446.000 - 469.700 (MHz)

UK Telemetry Band*: 458.500 - 458.950 (MHz)

RF Output Power: 500mW (maximum)

Compliance:

Radio Equipment Directive 2014/53/EU
ROHS Directive (EU) 2015/863

Standards applied:

EN 300 220-1 V3.1.1 (Radio)
EN 301 489-1 V2.2.1 (EMC)
IEC 62368-1: 2020 (Safety)

UK Licence Requirement:

Licence exempt SRD (www.ofcom.org.uk)

Telemetry and switched alarm links



Alarm Reporting



Machinery Diagnostics



Plant Monitoring



RX10 Receiver



10 Relay Outputs



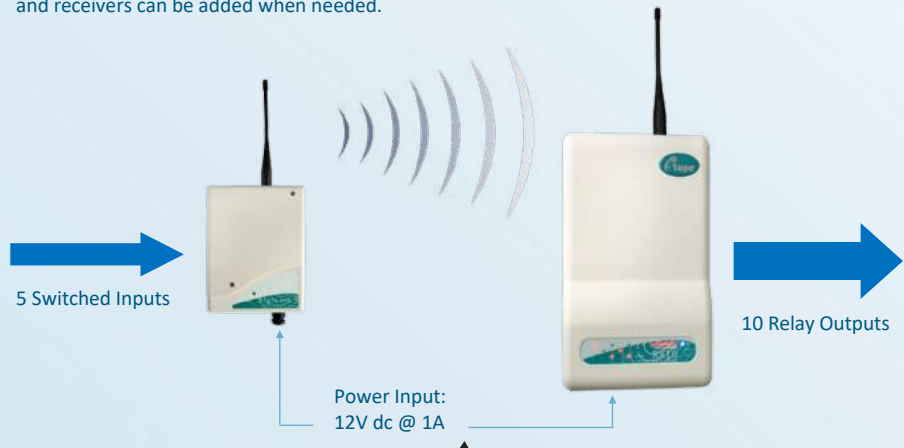
RS232 data

T-Link System

The system is supplied pre-configured to operate 'Follow'/'change-of-state', so a closing contact at the transmitter sends a signal to the receiver to activate the corresponding zone output relay. When the transmitter input is de-activated, the relay is deactivated so the output actually 'follows' the input.

T-Link takes a 5-zone DigiLink transmitter and combines it with a RX10 receiver and two aerials to produce an 'off the shelf' one-way radio link between fire or intruder panels. The transmitter has five input zones which can be triggered by volt-free opening or closing contacts or can be configured to accept 'voltage applied' or 'voltage removed'

A programming kit is available if you need to reconfigure the system. Additional transmitters and receivers can be added when needed.



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