Relay/Remote Control Datasheet
Model PRGEN-REL

SMARTREK Datasheet Relay

Why use the Remote Control A-Link

The A-Link Remote Control has the ability to control up to two pieces of equipment remotely, capture one logic NO/NC state, and two ampmeter. When combined with the ATRAX monitoring system and web applications, it can:

- Gain real-time insights into your equipment, set alarms, and generate reports easily.
- Improve efficiency and management by leveraging the ability to remotely control, automate, and monitor equipment regardless of the location.
- Get the assurance that the equipment is operating within normal parameters to prevent system failure.

Figure 1: Remote Control

Applications

- Industrial Process
- Equipment failure prevention
- Power and Utilities
- Factory automation
- Industrial equipment
- Agriculture
- Water and Wastewater

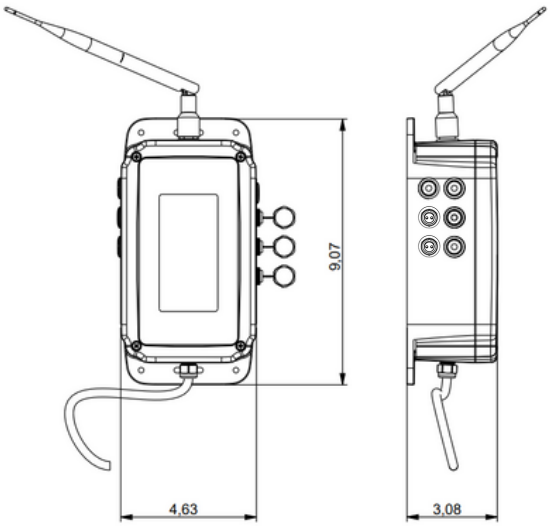
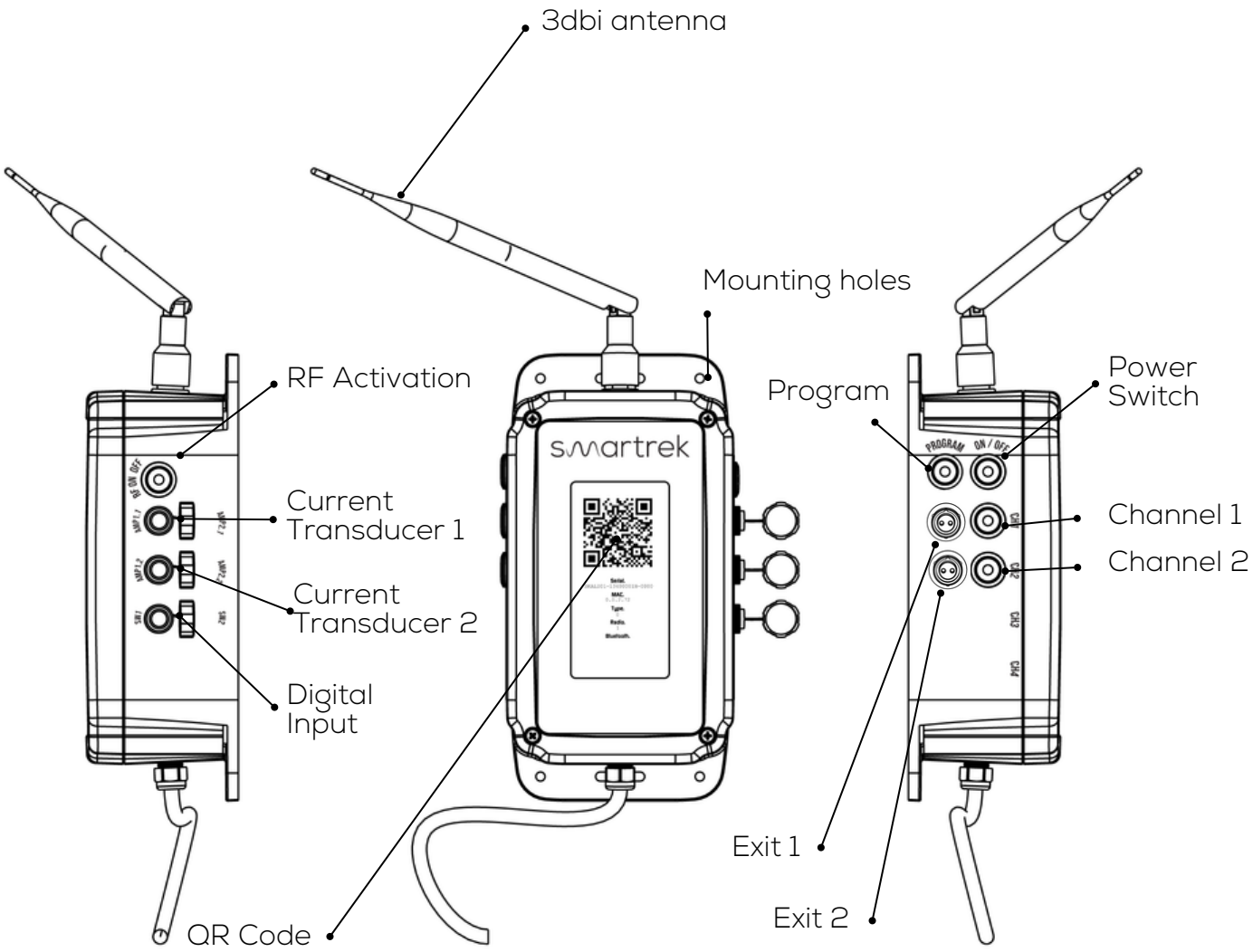


Figure 2: Technical drawing

Features

- Control up to two 24V pieces of equipment
- Monitor AC current from two devices
- NO/NC state monitoring
- Up to 10 km (7mi) range
- Single connector installation
- 120V AC Supply
- Manual output override

Remote Control



General specifications

Specifications	Performance
Frequency Band	North America: 902-928MHz Europe, Australia/ NZ: 860MHz Japan: 925MHz
Wireless technology	SpiderMesh
Encryption	AES-128
Range	Up to 10km/7Miles (LOS*) 500m average (NOLS**) 300m (decidious forest)
Max hop count	30 (total range is 30x node-to-node range)
Max number of A-Link on network	Unlimited

*LOS: line of sight **NLOS: near line of sight

Technical specifications

Specifications	Unit	
Supply Voltage	V	120VAC (US plug)
Number of output		2
Output Voltage	V	24
Combined Absolute Maximum Output Current	A	3.0
Input type		NO/NC
Ampmeter type		2 x split-core transformer 100A/250A
Operating temperature	°C	-18 to +55

Connecting the Relay Node

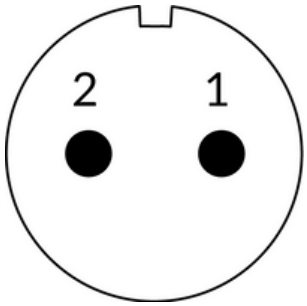


Figure 3: Relay Connector pinout

The module provide 5 two-pin pinout

- Output 1 connector
- Output 2 connector
- Current input 1 connector
- Current input 2 connector
- NC/NO input connector

Pin description

Pin	Description
	Output
1	Power Output
2	GND
	Ampmeter
1	Current input 1
2	Current input 2
	NO/NC
1	Signal Input
2	GND

Ordering information