



Migro Wireless control systems

Process Controls:



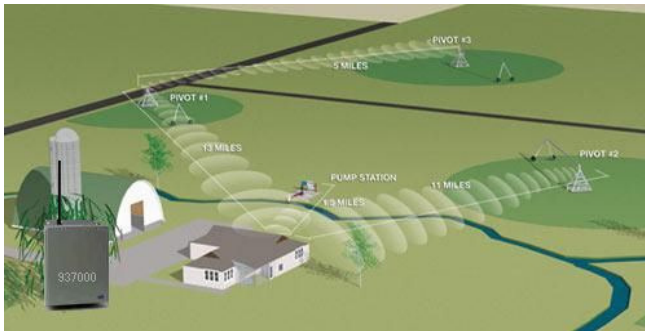
The benefit offered by wireless systems is appealing for process control. An example is oil drilling where systems on land communicate to systems on drilling platforms. In places where wire is difficult or expensive to deploy, Long range wireless control communication may be the best choice. Send and receive instant field data, level, pump control. wireless controllers makes possible process control that was previously unachievable.

Commercial / Industrial:



Simple One way, Two way radio control systems with digital or analog inputs, and relay or transistor outputs tailored for any application required for automation or basic daily routines. The Migro wireless system in easy to install and operate. not requiring, software or internet for its configuration, this makes its operation safe. All the systems are solar power ready, for reliable operation 24/7

Farms & Plantations:



Farms and plantations irrigation control, Water management, pump controls monitoring and alarm system. send commands or monitor up to 30km, The system is ready to operate on solar power or batteries. With the perimeter system Protect the property, animals, cattle, all livestock and crops.

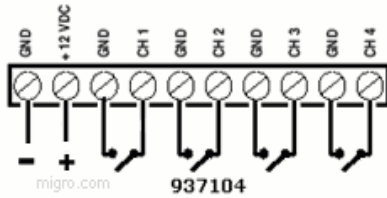
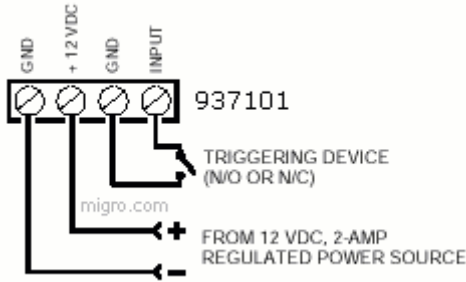
Long Range Radio Control 937000



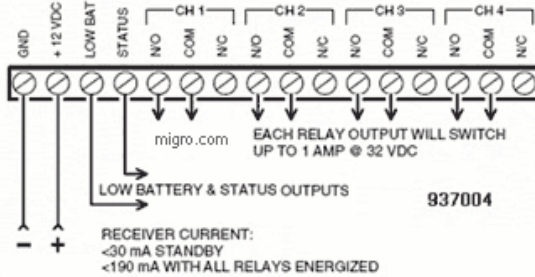
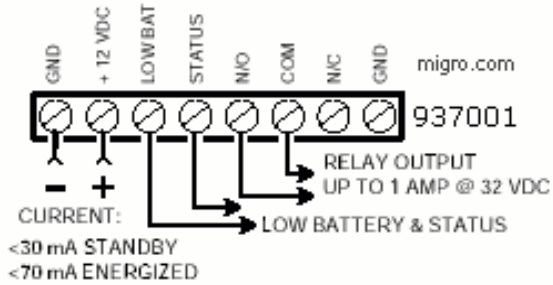
2 to 10 Miles (3 to 16 km) line of sight, 3000 feet (900m) partially obstructed

Microprocessor controlled with smart functions. Reliable, simple and easy to install **Heavy duty** Long Range Field control operations, irrigation, lighting, generators, solar systems, pumps, test sites, monitoring, marinas, farm perimeter. Very flexible; the users can tailor long-distance links to their needs for remote control and monitoring, industrial sites, switching systems, traffic, security

Digital Transmitter



Digital Receiver



Specifications	Digital Transmitter
Supply power	12 VDC SOLAR READY
Operating Current	Standby 0.001 mA, Transmission 2000 mA
Inputs	N/O Normally Open, dry contact
Transmitter power	FCC Part 15.249, 50mV/m @ 3m
Transmission	Digital Encoded 16 bit
Channels	64536 digital codes
Connection	Screw Terminal
Response	500 msec
Weight	1.2 lb (0.70kg) each unit
Temperature	4° to 140° F (-10° to 60° C)
Ambient RH	5% to 95% RH non condensing

Specifications	Digital Receiver
Supply power	12 VDC
Operating Current	Standby 20 mA, Energized 70 mA
Frequency	27 MHz • License free Industrial
Setup	DIP switch mode
Outputs	Relay contact 1A N/O- N/C 30V
Output Mode	Operation - Status - Low battery
Antenna	50 ohm
Compliance	FCC CFR part 15.247
Enclosure	NEMA 3R Metallic Enclosure
Dimensions	9.5"W x 6.5"H x 4"D (240 x 160 x 100 mm)

Medium Range Radio Control 931000



1 mile (2 km) line of sight, • 1000. feet (300 m) obstructed.
2 miles (3 km) line-of-sight with extended range antenna 7099

Microprocessor controlled with smart functions.
 Reliable, simple and easy to install
 Field control operations, irrigation, lighting, parks, gates, remote power generators, solar systems, water pumps, remote monitoring, mobile applications, marinas, perimeter early warning, security, traffic control, sport arenas, racing tracks, military installations, building automation, windmills, area lighting, etc.

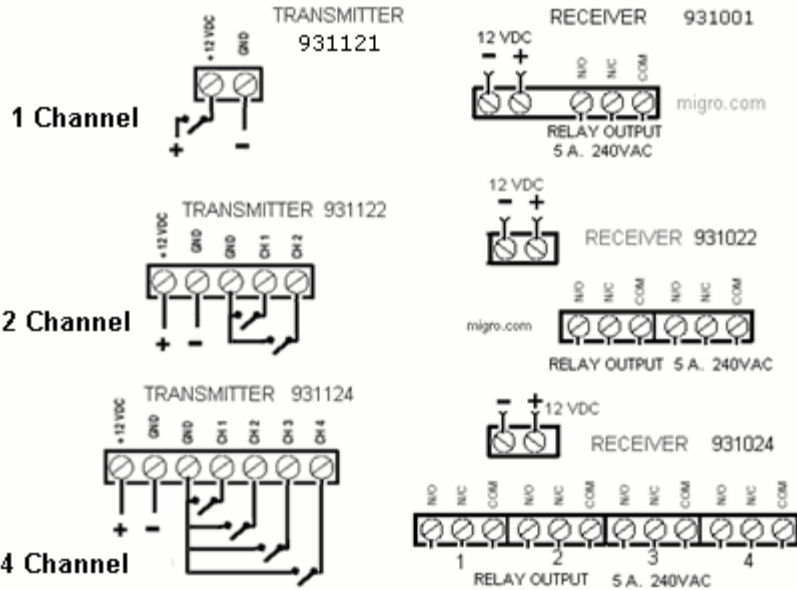
Configuration

Transmitter Inputs

N/O Normally Open, digital dry contact

Receiver Output

Relay SPDT NO/NC Contact , 5A, 240VAC



Specifications Digital Transmitter		Specifications Digital Receiver	
Supply power	12 VDC SOLAR READY	Supply power	12 VDC
Operating Current	Standby 0.001 mA, Transmission 400 mA	Operating Current	Standby 20 mA, Energized 70 mA
Transmitter power	FCC Part 15.249, 50mV/m @ 3m	Frequency	27 MHz • License free Industrial
Transmission	Digital Encoded 16 bit	Setup	DIP switch mode
Channels	4096 addresses per system	Outputs	Relay contact 5A N/O- N/C 240VAC
Connection	DIN Screw Terminal	Output Mode	Momentary, Toggle, Off delay
Response	500 msec	Off Delay Output	Adjustable up to 10 minutes
Weight	1.2 lb (0.70kg) each unit	Compliance	FCC CFR part 15.247
Dimensions	11.81 x 7.87 x 6.29 in. 299.97 x 199.90 x 159.77 mm	Enclosure	NEMA 3R Non Metallic Enclosure
Temperature	4° to 140° F (-10° to 60° C)		
Ambient RH	5% to 95% RH non condensing		

Two Way Bi Directional Radio Control 938100

Migro Wireless I/O modules offer a simple and reliable solution for point-to-point wireless. Two modules link together and function as a wireless cable for digital input - output signals. These modules are bi-directional communication, low latency, low power, and long range. With its GSKF modulation technique, Migro™ modules are well suited for noisy industrial environments. All modules integrate both transmitter and receiver for bi-directional wireless links. No complex configuration or development is needed to create reliable wireless networks for wireless control, in applications for wireless PLC I/O, wireless command data acquisition, monitoring or cable replacement



Specifications:

- Transmit power FCC Part 15.249, 50mV/m @ 3m
- 16 addresses per system
- Loop time response 500 msec.
- Power requirements, 12VDC, max 600 mA.
- Weatherproof enclosure: IP67
- 1000. feet (300.m) in-building range
- 2 Miles (3.km) open-air range
- 6 miles (10 km) line-of-sight with Yagi antenna
- License free 430- 450MHz Industrial
- Self sustained, no internet required

Migro® Long Range Analog - Digital 900 MHz 939200



Duplicates point information: Analog 4-20 mA, I/O
Digital inputs /outputs, allowing for complete control and monitoring

Applications: Field control operations, process, pumps, power generators, solar systems, water pumps, PLC remote i/o, remote monitoring, mobile applications, conveyor control, security, assembly lines, traffic control, test and research equipment, robots.



Optional Display;
Level, Pressure, Temperature, Flow, Power, etc

Specifications:

- Transmit power per FCC Part 15.249, 50mV/m @ 3m
- 16 addresses per system
- Power requirements, 24VDC, max 600 mA.
- Weatherproof enclosure: IP67
- 2000. feet (600.m) in-building range
- 2 Miles (3.km) open-air range
- 6 miles (10 km) line-of-sight with HI-Gain antenna
- License free 902- 928 MHz Industrial



Optional: UL, USA / Canada: Class I, Div. 2, Groups A, B, C, D