

The Futaba FRN-0602U 6-channel radio remote control system offers exceptional value in a small industrial remote control. With microprocessor control in both transmitter and receiver, the unit provides remote control of up to 6 relays. Application possibilities include conveyors, hoppers, stop light systems, construction machinery, boom trucks and much more. Exclusive direct sequence data encoding techniques provide a system with excellent reliability and immunity to false activations from noise and interference. Additionally, 16-bit system identification codes offer excellent security. Housed in an injection molded high impact plastic case with water resistant gaskets, the transmitter's sealed membrane switches assure long life in an industrial environment. The receiver, also in an injection molded high impact case, operates on 12 or 24 VDC power. Momentary dry pair outputs are standard, with optional latching outputs and switched source voltage contacts available.

General Specifications

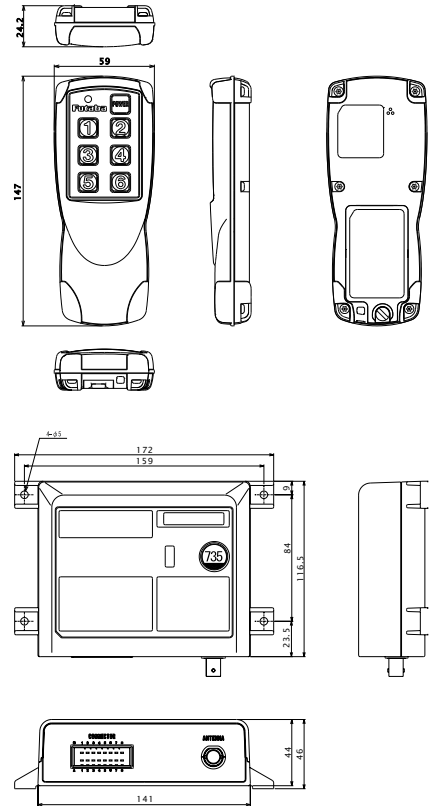
Frequency Range:	31.95 to 319.05 Mhz
Frequency Control:	PLL synthesizer, 20 frequency channels
Modulation:	FM-FSK
Baseband data format:	direct sequence encoded
Communication mode:	simplex
Error checking:	CRC technique
Data channels:	6 discrete
Security:	16 bit ID code (65,536 unique codes)
Response time:	< 200 ms average
Operating Temperatures:	-4 to +140° F (-20 to +60° C)
Humidity:	up to 90% RH, non-condensing

Transmitter Specifications

Supply voltage:	3.6 to 4.5 VDC (3 AAA alkaline batteries)
Max. current consumption:	26 mA (RF active), 10 mA (idle mode)
Battery Life:	30 hrs (alkaline batteries continuous operation)
Power saving features:	RF emissions off delay: 4 SEC. Auto power off delay: 3 SEC.
Antenna:	internal
Dimensions:	5.88 x 2.36 x 0.96 in (147 x 59 x 24 mm)
Weight:	4.2 oz. (excluding batteries)

Receiver Specifications

Discrete channel outputs:	6 electromechanical relays, SPST normally open two-wire dry contacts
Relay ratings resistive load:	5 A, 31 VDC/ 120 VAC maximum
Inductive load:	2 A, 31 VDC/ 120 VAC maximum
Supply voltage:	12/24 VDC (9 to 31 VDC limits)
Max. current consumption:	1.2 A (6 relays activated), 150 mA (idle mode)
Antenna:	external whip, 10.24 in (260 mm), metric UHF metric male
Antenna cable:	RG-58/U coaxial, 13.1 ft (4 m), BNC male to UHF metric female
Dimensions:	6.77 x 4.68 x 1.81 in (172 x 117 x 46 mm) excluding antenna
Weight:	13.1 oz (excluding antenna)



Applications

- Conveyors, Hoppers, Stop Light Systems
- Construction Machinery
- Winch Control

