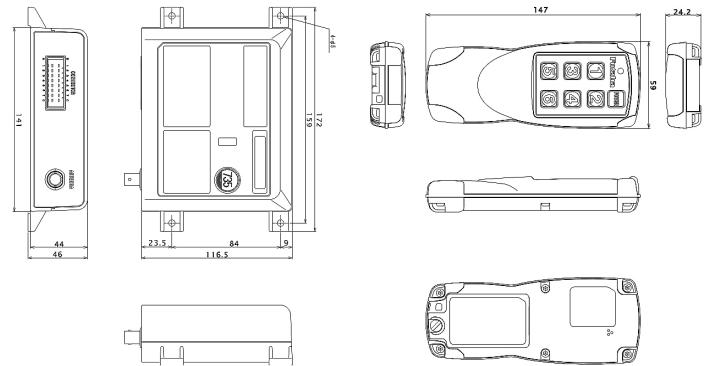


Futaba FRN-0602U

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 Temps.	-4 to +140° F (-20 to +60°C)
Humidity	Up to 90% RH, non-condensing

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

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)