

WILLIAMS WIRELESS Remotes

INDUSTRIAL RADIO REMOTE CONTROL SYSTEMS



Low Cost

Reliable & Safe

Durable & Rugged

Compact & Lightweight

Waterproof, IP-65 & 66 Rated

Designed



100% Error Free Transmission

Advanced microprocessor with highly evolved software that has redundant error checking and correcting capabilities to ensure 100% error-free transmission, decoding, and control of all output relays. This highly evolved software includes advanced CRC (Cyclical Redundancy Check) and Hamming Code (Error Recovery) programming.

Safe Design

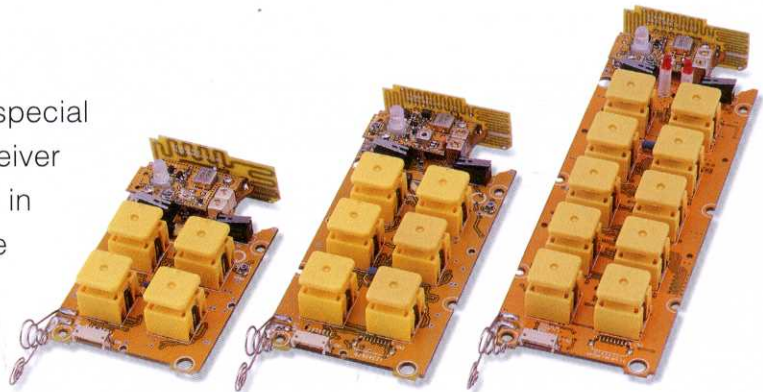
Safety features include receiver self-diagnosing, transmitter self-diagnosing, transmitter low-voltage detection and warning, transmitter and receiver MAIN deactivation when the transmitter is not in use, during transmitter low-voltage, and when the system is in sleep mode.

32,768 Unique ID Codes

The encoder/decoder system utilizes advanced microprocessor control. The availability of 32,768 sets of unique ID codes will ensure that only commands from the matching control transmitter can be carried out without any interference from other radio systems.

Main Safety Relay

For added safety our advanced design utilizes a special Safety Relay for the Main EMS circuit. If the receiver MAIN relay is defective (Example: Fails to open in response to a Stop command) a fault will be detected and the system will shutdown (open) all output relays immediately.



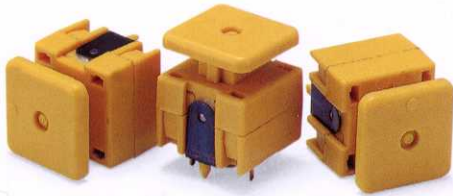
150 Hour Battery Life

Efficient power saving circuit requires only two "AA" type alkaline batteries. The battery life is good for more than 150 hours of continuous operation between battery replacements, which ensures higher productivity in the workplace by minimizing frequent replacement or recharging of batteries.

WILLIAMS WIRELESS Remotes

Visit our website at : www.williamsyrless.com

with Safety in Mind



One Million Press Cycles

Custom designed 2-step pushbuttons are extremely durable and reliable for a minimum of up to one million press cycles. Unlike most of the 2-step pushbuttons available from other radio control manufacturers, these pushbuttons are easily manipulated even when the operator is wearing gloves. The snap action pushbutton provides positive tactile feedback to the operator.

Ultra Lightweight

Our keypad button arrangement results in a transmitter that is ultra lightweight and compact in design. This optimized design is 50% smaller than competitive models and much easier to carry and operate. Four and six button transmitters are furnished with holsters, 10 button transmitters are furnished with a waist belt.

Synthesized RF

Our receiving unit is equipped with a PLL synthesized RF module with 30 user-selectable channels (frequencies) adjusted via simple dip switch settings. The RF module includes an internal antenna for your convenience. Our optional high gain external antenna is available at additional cost.



Waterproof & Durable

The transmitter and receiver enclosures are fully sealed to prevent ingress of dust, water, oil, grease, alkaline and acids (not intended for submerged operation). Enclosures are manufactured from high grade composite materials that are resistant to high impacts and deformation due to long term exposure to heat, sunlight and harsh environments.

No Site License Required

All systems are in full compliance with the FCC Part-15 Rules, European Directives (CE/CB) and Industry Canada specifications. No site license is required.

One Year Guarantee

Warranted against defects in materials and workmanship for one year from the date of purchase, parts only, contact the factory for details.



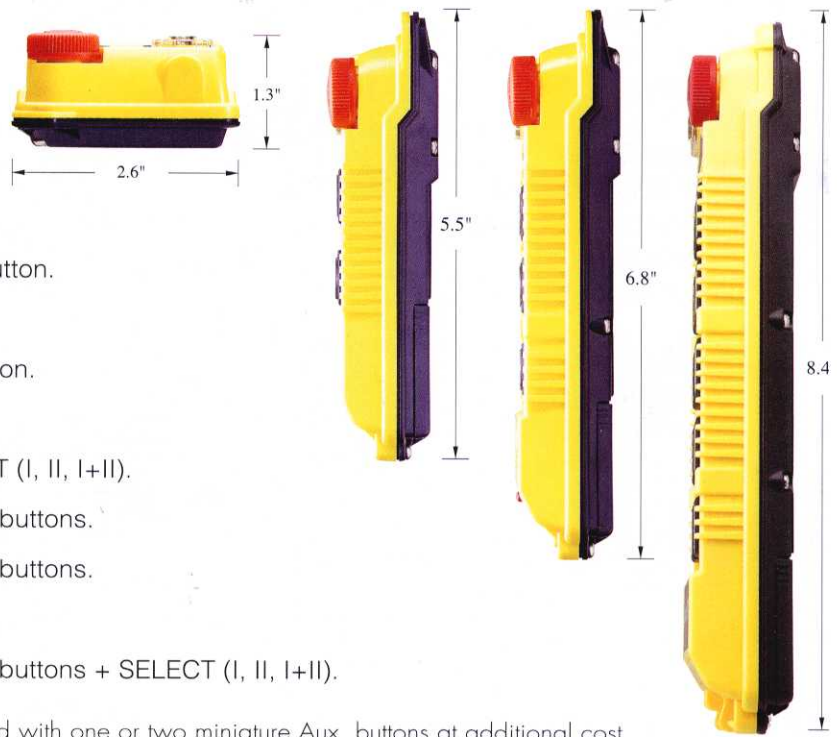
<http://www.alpha500.com>

ALPHA 500 SERIES

Designed and manufactured by an ISO 9001 certified company.

12 Models Available

Alpha 500	(4) single-speed buttons.
Alpha 520	(4) dual-speed buttons.
Alpha 540S	(6) single-speed buttons.
Alpha 540A	(6) single-speed buttons + AUX button.
Alpha 560S	(6) dual-speed buttons.
Alpha 560A	(6) dual-speed buttons + AUX button.
Alpha 580A	(10) single-speed buttons.
Alpha 580B	(9) single-speed buttons + SELECT (I, II, I+II).
Alpha 580C-1	(6) dual-speed + (4) single-speed buttons.
Alpha 580C-2	(8) dual-speed + (2) single-speed buttons.
Alpha 580D	(10) dual-speed buttons.
Alpha 580E	(6) dual-speed + (3) single-speed buttons + SELECT (I, II, I+II).



Note: Alpha 580 series transmitters only can be furnished with one or two miniature Aux. buttons at additional cost.

Alpha 500 Specifications

TRANSMITTER		RECEIVER	
Frequency Range	301 & 433 MHz	Demodulation	Narrow Band FM
Channel Spacing	25KHz	Decoding Reference	Quartz Crystal
Transmitting Range	Internal Antenna @ 200 Feet*	Frequency Control	Synthesizer (PLL)
Hamming Distance	6	Sensitivity	-120dBm
Frequency Control	Quartz Crystal	Responding Time	40mS
Transmitting Power	~0.3mW	Output Contact	250V @ 10A
Enclosure Rating	IP-66 (Waterproof)	Enclosure Rating	IP-65 / IP-66 (Waterproof)
Source Voltage	3.0V ("AA" x 2)	Source Voltage	100 ~ 120VAC @ 60Hz
Current Drain	10~18mA	Power Consumption	11VA
Operating Temperature	-13°F ~ +158°F	Operating Temperature	-13°F ~ +158°F
Dimension (500~520)	5.5 x 2.6 x 1.3 (inch)	Dimension (500~520)	12.2 x 5.3 x 2.8 (inch)
(540~560)	6.8 x 2.6 x 1.3 (inch)	(540~560)	12.2 x 5.3 x 2.8 (inch)
(580)	8.4 x 2.6 x 1.3 (inch)	(580)	11.8 x 9.8 x 9.0 (inch)
Weight (500~520)	7.0oz (with batteries)	Weight (500~520)	3.6lb (with output cable)
(540~560)	8.5oz (with batteries)	(540~560)	4.0lb (with output cable)
(580)	10oz (with batteries)	(580)	7.5lb (no output cable)

*Note: Optional high gain external antenna available at additional cost.

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