RECEIVER

RX-14/22/30 HL-70P

The **RX-XX HL-70P** is a digital radio receiver that is equipped with 2 Main Contact relays (2-wire) and 14, 22 or 30 digital relay outputs. The receiver has 4 DC/AC inputs and a connector for cable control. The receiver is housed in the robust HS-2 housing, making it perfect for almost any environment.

The **RX-XX HL-70P** has status LEDs, so you can easily read whether it is on, whether reception is good and the LEDs also indicates when there is an error message.

RX-14/22/30 HL-70p
Front side
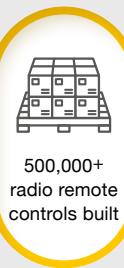

RX-14/22/30 HL-70p
Back side

ABOUT HETRONIC

Located in Weesp Netherlands

10,000+ clients worldwide

Support from 50+ global offices

500,000+ radio remote controls built

Wide range of transmitters and receivers

Tailor-made radio remote controls

Repair in-house and on-site

Fast delivery times

RX-14/22/30 HL-70P

MECHANICAL FEATURES

Housing
HS-2, Impact Resistant Polymer Composite

Weight
1.6-1.9 kg
depending on configuration

Temperature
Operating: -20°C to +70°C
Storage: -40°C to +85°C

Humidity range
0 to 97% maximum non-condensing

Dimensions
Length: 246 mm
Width: 160 mm (348 mm including 100 mm antenna and 70p connector)
Height: 93 mm (115 mm including vibration mounts)

IP rating
Min. IP65 (Exceeds Nema 12/13)

Antenna
External via TNC connector

Output wiring/connector
Output wiring via 70p connector

ELECTRICAL FEATURES

Power supply	12-24VDC and 48-240VAC single phase
Stop Function	2 MC Potential free Safety relay outputs (2 wires) (250V/8A max)
Outputs	• RX-14 HL: 14 Programmable Potential free relay outputs at 12/24VDC or 230VAC/8A (12xNO and 2xNO/NC changeover) • RX-22 HL: 8 Additional Potential free relay outputs (7xNO and 1xNO/NC changeover) • RX-30 HL: 8 Additional Potential free relay outputs (7xNO and 1xNO/NC changeover)
Inputs	4 Isolated On/off inputs 12-24VDC or 48-230VAC
Protocol	N/A
Software options	NO/NC, Latching, On-Delay, Off-Delay, Interlocking, Start-Interlock, AND/OR Gates, Multi-Address, Master-Slave, Master-Master, Multiple Receiver system, Multiple Transmitter system, TX Lockout, Enhanced Mode for Cyber-Security
Safety	• 20-bit programmable address with up to 1 million combinations • Active and passive Stop function (EN62745) • Parity & Checksum • Safety Category 3 Compliant (STOP)
Performance Level	PLc (2-wire)
Operating range	Typically 100 meter in industrial environment and 250 meter line of sight. Extended range on request.
Control RF Unit	Type CS synthesized with multiple frequencies
Output RF power	Standard 10mW, customizable to country and customer requirements
Avaliable Frequencies	419, 429, 434, 447, 458, 469, 480, 869, 915, 1216 MHz and 2.4 GHz
Response time	< 100ms
Compliance	CE, FCC, IC, EMC, EMI, Radio Frequency (RED)

OPTIONAL FEATURES

Communication feedback	Half or full duplex feedback
Bus-module	CAN, RS232/485 or ProfiBUS module for feedback
Outputs	1 Proportional isolated analog ouput 5…30VDC, ± 5VDC, ± 15VDC (100Ω, 25mA max) with 6 extra relays or 4 Proportional isolated analog ouputs (470Ω, 12mA max) with 4 extra relays (see RX-18/26 PROP-HL-70p)
Inputs	12 Analog inputs capable of 0-10V, 0-30V and 0-20mA
Machine protection	Tilt module
Accessories	Vibration mounts, magnet mount, receiver support HS2, antenna options, antenna extension, connection cable, built-in battery charger
Cable back-up	RS232 as standard: custom lenght on request
Lockout-Tagout system	With 1 to 4 transmitters per receiver, number of transmitters selectable per operational cycle
Tandem	Master-Master or Master-Slave with maximum 4 transmitters and 999 receivers