CONDOR

2052 NW 93 Avenue ~ Miami, Florida 33172 U.S.A.
Phone 305-500-9302 ~ Fax 305-500-9402 ~ info@condorD.com

Repeater Controllers

Select Repeater Controller

HLN3948 **Basic Interface Repeater Controller**
Provides repeater functionality, remote knock-down/set-up, in/crossband
and uni/bi directional capabilities. Need "B" version to work with the CDR700

HLN9119 **ZR340 Advanced Interconnect Controller**
Provides advanced interconnect capabilities including password driven
access and disconnect codes, customized toll restrict and toll restrict bypass.
Does not use RSS Programming done via DTMF parameters.

HLN8388 **ZR310 Community Repeater Controller**
Subdivides a repeater into separate groups of users so each group does not have
to hear the conversation of the other groups. Up to 70 user groups may be
established. Uses GM300 RSS, HVN8177.

HLN9447 **i20R Onsite Repeater Controller**
Subdivides a repeater into separate groups of users so each group does not have
to hear conversations of other groups. Up to 10 user groups may be established.
Uses i20R RSS, HVN9085

HLN3104 **"Enhanced" SmarTrunk II™ Repeater Controller Model ST853**
Provides trunked repeater functionality, individual selective calling, group calling
all fleet calling, conventional operation and advanced interconnect capabilities.
The controller has a capacity of 4096 subscribers per system, 4500 call records per
controller and 320,000 paging codes. Uses SmarTrunk II™ Programming
Software, HVN9021.

HKN9028 **"Enhanced" SmarTrunk II™ Repeater Controller Cable**
Required when using HLN3104 with the HKLN4056, HK1009, HKLN4060
and HK1008 housings.

RLN4744 **Zetron Model 42 Dispatched only LTR Controller**
Includes: 901-9309 Model 42, 950-9915 Model 42 version 6 firmware, -M02 Ghost
Repeater option.

RLN4746 **Zetron Model 49 Dispatch and 2 wire interconnect LTR Controller**
Includes: 901-9147 Model 49, 950-9404 version 6 firmware, -M02 Ghost Repeater,
-M05 FASTNet interface, -M06 SMDR, -M07 Interconnect, 950-9563 Telephone
Interconnect, 950-9547 Full Duplex E-E card (2 wire).

RLN4747 **Zetron Model 49 Dispatch and 4 wire interconnect LTR Controller**
Includes: 901-9147 Model 49, 950-9404 version 6 firmware, -M02 Ghost Repeater,
-M05 FASTNet interface, -M06 SMDR, -M07 Interconnect, 950-9561 E/M Type I (4 wire).

3080384G13 Zetron Controller Cable
3080384F66 Controller to Controller Cable 3 feet
3080384F67 Controller to Controller Cable 7 feet

Optional

Select (1) Tuned Duplexer and (1) Duplexer Cable

Specify Frequency for Factory Tuning. All duplexers have female type "N" connectors

HFD8465   VHF Duplexer 150-160 MHz (requires Internal Duplexer/Antenna Cable Kit - minimum and maximum frequency separation is 4.5 MHz/6 MHz)

TDE7780   UHF Duplexer 450-470 MHz (requires Internal Duplexer/Antenna Cable Kit - minimum and maximum frequency separation is 5 MHz)

OR

Select (1) Untuned Duplexer

RFE4000   UHF Duplexer 450-470 MHz (requires Internal Duplexer/Antenna Cable Kit)

Duplexers below require tuning in field.

HFD8464   VHF Duplexer, 136-144 MHz

HFD8188   VHF Duplexer, 144-155 MHz (minimum & maximum freq.separation is 4.5 MHz/6 MHz)

HFD8457   VHF Duplexer, 150-160 MHz (minimum frequency separation is 4.5 MHz)

HFD8189   VHF Duplexer, 155-162 MHz (minimum & maximum freq.separation is 4.5 MHz/6 MHz)

HFD8190   VHF Duplexer, 162-174 MHz (minimum & maximum freq.separation is 4.5 MHz/6 MHz)

HFE8400   UHF Duplexer, 406-450 MHz (minimum & maximum freq.separation is 5 MHz)

HFE8401   UHF Duplexer, 470-490 MHz (minimum & maximum freq.separation is 3 MHz)

HFE8454   UHF Duplexer, 490-512 MHz

Only required if using a Duplexer

HKKN4002   CDR500/CDR700 Internal Duplexer/Antenna Cable

HKKN4001   CDR500/CDR700 Internal Duplexer/Antenna Cable - required when using separate transmit and receive antennas or duplexers that do not fit into CDR500/CDR700 housings.

Optional

Select an Antenna

RDD4527   VHF 3dB Gain Antenna, 150-158 MHz

RDE4556   UHF 3.8dB Gain Antenna, 450-470 MHz

CDR700 and CDR500 REPEATER HOUSINGS
Wall Mount or Desktop

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MODEL NUMBER	DESCRIPTION

Mounting Accessories
HLN9169   CDR500 Wall and 19 inch Panel Mount
HKLN4117   GR500 Radio/Duplexer Mounting Bracket Retrofit Kit - This bracket allows the installation
             of PRO Series mobiles within a GR500 repeater housing.
HKLN4121   CDR700 Filler Plate Kit - Plate fills the controller slot and ensures proper airflow

General Accessories
HLN9455   CDR700 and GR1225 Battery Revert/Float Maintenance Charger
HPN9033   110V CDR700 AND GR1225 Power Supply
HPN9005   110V CDR500 and GR500 Power Supply
HKPN4000   230V CDR700 Power Supply (no line cord)
HKPN4001   230V CDR500 Power Supply (no line cord)
AARMN4026   Enhanced Keypad Microphone
HMN3000   Desk Microphone (black)
HKKN4000   Power Sense Cable US Plug (CDR700 Only) - in the event of a power loss, this cable will allow
             the repeater to power up automatically one A/C is restored.
HLN9457_R   Hardware Kit for use with the Expanded Accessory Connector (includes 16 connector
NTN7373_R   Line Cord with US Plug for use with HKPN4000 and HKPN4001 Power Supply
NTN7374_R   Line Cord with Euro Plug for use with HKPN4000 and HKPN4001 Power Supply
NTN7375_R   Line Cord with UK Plug for use with HKPN4000 and HKPN4001 Power Supply
NTN9246   Line Cord with Argentina Plug for use with HKPN4000 and HKPN4001 Power Supply

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Preselectors: - Specify Frequency for Factory Tuning
The CDR500 allows for internal mounting of a duplexer and a preselector.
The CDR700 allows for the internal installation of either a duplexer or a preselector.

All preselectors have a female type "N" connectors. A dealer supplied type "N" male to male connector is required for
proper operation. The length of the cable depends on your application. Call Motorola Accessory and Aftermarkets Division (AAD)
to find a cable for your individual application.
HFD8463   VHF 136-144 MHz Preselector
HFD8461   VHF 144-160 MHz Preselector (Minimum 3dB Nose Bandwidth 2MHz)
HFD8462   VHF 160-174 MHz Preselector (Minimum 3dB Nose Bandwidth 2MHz)
HFE8458   UHF 406-440 MHz Preselector
HFE8459   UHF 440-474 MHz Preselector (Minimum 3dB Nose Bandwidth 3MHz)
HFE8460   UHF 474-512 MHz Preselector

Lightning Protection Recommendation Accessories
Phone/Remote Line Suppressors
RRX4021   Single Line Suppressor
TRN4589   Dual Line Suppressor

AC Line Surge Proctector
RLN4264   120VAC, 15A 3-Prong Duplex Outlet Mounting

Coaxial Cable In-Line Arrestors
RRX4025   Type "N" Connector
RRX4032   Tower Mounting Hardware

Manuals
6864110R66   CDR500 and CDR700 Service Manual