

RS232 Connection Details

Baud Rate 19200 bps
 Data Bits 8 bits
 Stop Bits 1 bits
 Parity Type None

Command	Command Name	Parameters	Byte 1	Byte 2	Byte 3	Byte 4	Byte 5	Byte 6	Byte 7	Byte 8	Byte 9	Byte 10	Byte 11	Byte 12	Byte 13	Byte 14	Byte 15	Byte 16	Byte 17	Byte 18	Byte 19	Notes
Unit Commands																						
UP	Unit Power	Turn Master Power Off Turn Master Power On Reboot Master Power	O	F	F																	
		Returns Master Power Status	?																			Returns On or Off
UN	Unit Name	Sets Unit Name Returns Unit Name	?	Char 1	Char 2	Char 3	Char 4	Char 5	Char 6	Char 7	Char 8	Char 9	Char 10	Char 11	Char 12	Char 13	Char 14	Char 15	Char 16			Returns 16 Character Unit Name
UB	Unit Display Brightness	Sets the Display Brightness To Bright Sets the Display Brightness To Bright Returns the Display Brightness Setting	?	B	R	I	G	H	T													
		Sets Trigger Output On/Off Delay Returns Trigger Output On/Off Delay	?	2	5	5		2	5	5												Returns BRIGHT/DIM/OFF depending on display level setting. Valid values are 0-255/0-255 for the on and off delays, respectively. Returns 0-255/0-255 for the on and off delays, respectively.
UL	Unit Lockout	Turn Unit Lockout Off Turn Unit Lockout On Returns Unit Lockout Status	O	F	F																	Returns On or Off

Zone Specific Commands

ZP	Zone Power	Turns Specified Zone Off Turns Specified Zone On Reboots Specified Zone	Zone #	Zone #	.	O	F	F														Off = Reboot for Reboot and Auto-Reboot Delay Mode Zones
		Returns Specified Zone Power Status	Zone #	Zone #	.	R	E	B	O	O	T											Returns On, Off, or Delayed
ZN	Zone Name	Sets Specified Zone Name Requests Specified Zone Name	Zone #	Zone #	.	?																Returns 16 Character Zone Name
		Sets Specified Zone Delay Mode To Always On Sets Specified Zone Delay Mode To Switched Sets Specified Zone Delay Mode To Delayed Sets Specified Zone Delay Mode To Programmed	Zone #	Zone #	.	O	N															Each write auto-increments character position.
		Sets Specified Zone Delay Mode To Reboot Sets Specified Zone Delay Mode To Auto-Reboot Returns Specified Zone Delay Mode	Zone #	Zone #	.	S	W															Returns (ON/SW/DLV/PGM/RBT/ARB)
		Sets Specified Zone Turn-On/Off Delay Returns Specified Zone Turn-On/Off Delay	Zone #	Zone #	.	P	G	M														Valid values are 0 - 255 for both on and off delays, respectively. Programmed mode is automatically selected when this command is issued. Returns 0-255/0-255 for the on and off delays, respectively.
ZT	Zone Programmed Delay	Sets Specified Zone Delay Mode To Reboot Sets Specified Zone Delay Mode To Auto-Reboot Returns Specified Zone Delay Mode	Zone #	Zone #	.	R	B	T														Returns (ON/SW/DLV/PGM/RBT/ARB)
		Sets Specified Zone Priority Level To Low Sets Specified Zone Priority Level To Normal Sets Specified Zone Priority Level To Critical Returns Specified Zone Priority Level	Zone #	Zone #	.	A	R	B														Returns LOW/NORMAL/CRITICAL for the zone priority level.

Infrared Commands

IS	Infrared Code Store	Stores the Infrared Code	Type #	Type #	.	Char 1	...	Char 256														Valid Type #'s are found in the table below. Followed by up to 256 bytes of ir hex code. Type # Descriptions 00 = Send Code Immediately 11 = Power On Event, 1st Code Sent 12 = Power On Event, 2nd Code Sent 13 = Power On Event, 3rd Code Sent 14 = Power On Event, 4th Code Sent 21 = Power Off Event, 1st Code Sent 22 = Power Off Event, 2nd Code Sent 23 = Power Off Event, 3rd Code Sent 24 = Power Off Event, 4th Code Sent 31 = UPS Battery Active Event, 1st Code Sent 32 = UPS Battery Active Event, 2nd Code Sent 33 = UPS Battery Active Event, 3rd Code Sent 34 = UPS Battery Active Event, 4th Code Sent 41 = UPS Battery Critical Event, 1st Code Sent 42 = UPS Battery Critical Event, 2nd Code Sent 43 = UPS Battery Critical Event, 3rd Code Sent 44 = UPS Battery Critical Event, 4th Code Sent No Other Type #'s Are Valid
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Request Commands

RS	Request Status Information	Returns The Power Status of Unit and Zones																				Returns Power Status of Unit and Zones
RA	Request All Information	Returns All Available Information																				Returns Full Payload Of Updatable Information
																						System must reboot after issuing this command. Reboot is automatic. Valid values are 0-255 in seconds.

	Task	Direction	IP Command	RS232 Command
1)	Turn Zone 1 On	Received	<C>ZP=1,ON</C>	ZP=1,ON/n/r
		Sent	nothing	nothing
2)	Request Zone 10 Name	Received	<C>ZN=10,?</C>	ZN=10,?/n/r
		Sent	PREAMP	PREAMP/n/r

IR Details

Code Type	NEC
Carrier Frequency	38000 Hz
Address	0x44 Hex

Command	Code (in Hex)	Notes
Power Toggle	0x20	
Power On	0x21	
Power Off	0x22	
Zone 1 On	0x31	
Zone 2 On	0x32	
Zone 3 On	0x33	
Zone 4 On	0x34	
Zone 5 On	0x35	
Zone 6 On	0x36	
Zone 7 On	0x37	
Zone 8 On	0x38	
Zone 9 On	0x39	
Zone 10 On	0x3A	
Zone 1 Off	0x41	
Zone 2 Off	0x42	
Zone 3 Off	0x43	
Zone 4 Off	0x44	
Zone 5 Off	0x45	
Zone 6 Off	0x46	
Zone 7 Off	0x47	
Zone 8 Off	0x48	
Zone 9 Off	0x49	
Zone 10 Off	0x4A	
Zone Select	0x26	Equivalent to 8000 Series Select Button
Select	0x27	Equivalent to 9000 Series Select Button
Edit up	0x28	
Edit down	0x29	
IP/Status	0x24	