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...Use Simple Serial Remote Coding for 4 Series & DC/Ti1048

RS232 / RS485 Simple Messages (Note: These will work for any DP4 series unit, **NOT** DP226/4s)

Structure(8 bytes): <head> <device> <unitID> <cmd> <data1> <data2> <data3> <data4>

head= f4h - (No Acknowledge)
 device= 78h=DP448, 76h=DP446, 74h=DP444, 72h=DP424, 71h=Any DP4 series,
 10h=DC1048, 11h=Ti1048
 unitID= 1 to 127 (0= all units)
 cmd = Command
 data= see individual commands

Note: Only the <head> byte has bit 7 set.

Cmd = 1. Set Gain

Data.1 byte = Channel (1-4=Inputs, 5-12=Outputs)
 Data.2(0000abc) + Data.3(0defghij) = Gain (000000ab.cdefghij)
 Gain (0 – 550) in 0.1dB steps above –40dB.
 (E.G. 550=+15dB, 400=0dB, 125=-27.5dB)
 Data.4=0 (Not Used)

Cmd = 2. Set Mute

Data.1 byte (0000dcba) = Inputs (A - D) a = In a, b = In b etc.
 Data.2 byte (0000dcba) = Outputs (1 - 4) a = Out 1, b = Out 2 etc.
 Data.3 byte (0000dcba) = Outputs (5 - 8) a = Out 5, b = Out 6 etc.
 [0 = Norm, 1 = Mute].
 Data.4=0 (Not Used)

Cmd = 3. Recall Memory

Data.1 (0000abc) + Data.2 (0defghij) = Memory Number (000000ab.cdefghij)
 Memory Number (1 – 1023) {Note 0 is illegal}.
 Data.3 & Data.4 = 0 (Not Used)

Cmd = 4. Set System Mute (Intelligent)

To Set System Mute: F0 00 08 71 00 00 20 02 0B (hex string)
 To Clear System Mute: F0 00 08 71 00 00 20 00 09 (hex string)

Notes:

1. Unit software should be V1.70 or greater (4 Series), V1.13 or greater (DC-Ti1048).
2. Only the <head> byte has bit 7 set.
3. The message length is fixed at 8 bytes – unused bytes should be sent as 00h.
4. The units do not return any data.