

Collins – Receiver Control – HF 8094 and the HF-8054A

Receiver used:

HF-8054A (100 Hz step; External Standard; Remote Kit; 6 KHz filter; 4 Ch. ISB)

Cable information (assuming both are within 50 feet of each other)

HF-8094	HF-8054	Function
2	2	Control
14	14	Control Return
15	15	Control Shield
3	3	Monitor
16	16	Monitor Return
17	17	Monitor Shield
N/C	8	Receiver Address Bit 1
N/C	9	Receiver Address Bit 2
N/C	10	Receiver Address Bit 3
N/C	11	Receiver Address Bit 4
N/C	12	Receiver Address Bit 5
N/C	22	Address Ground
N/C	24	Address Ground

Receiver Addressing (Uses classical BCD) – Only works with the RS-232/RS-485 signaling

Address	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5
0	Open	Open	Open	Open	Open
1	Ground	Open	Open	Open	Open
2	Open	Ground	Open	Open	Open
3	Ground	Ground	Open	Open	Open
4	Open	Open	Ground	Open	Open
5	Ground	Open	Ground		
6	Open	Ground	Ground		
7	Ground	Ground	Ground	Open	Open
8	Open	Open	Open	Ground	Open
15	Ground	Ground	Ground	Ground	Open
32	Ground	Ground	Ground	Ground	Ground

Check all your system board options. Using 9600 or 19.200 is recommended for ALE use.

It will work with receiver address “0” but it is recommended to use Address 1 as the default.

The Audio lines connect straight across between Control unit and the Receiver. On the HF-8094, use the audio input connections (not the “out” connections). Ensure you are connecting the right audio lines to the right locations. It is easy to make a mistake.