Collins – Receiver Control – HF 8094 and the HF-8054A (21 February 2014)

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** | **Wire Color** |
| 2 | 2 | Control | Black |
| 14 | 14 | Control Return | Red |
| 15 | 15 | Control Shield | Braid |
| 3 | 3 | Monitor | Black |
| 16 | 16 | Monitor Return | Red |
| 17 | 17 | Monitor Shield | Braid |
| N/C | 8 | Receiver Address Bit 1 | Pin 8-22 on Receiver |
| 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 | Pin 8-22 on Receiver |
| 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 | Open | Open |
| 6 | Open | Ground | Ground | Open | Open |
| 7 | Ground | Ground | Ground | Open | Open |
| 8 | Open | Open | Open | Ground | Open |
|  |  |  |  |  |  |
| 15 | Ground | Ground | Ground | Ground | Open |

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.



Rear Photo of the HF-8094 Receiver Control system