**Read head to controller cable**

|  |  |  |
| --- | --- | --- |
| **Pin reference** | **High density sub D15** | **DB15** |
| +24V | 1 | - |
| A in 1- | 2 | - |
| D/A monitor channel 1 | 3 | - |
| D/a monitor channel 0 | 4 | - |
| +5V | 5 | 4 |
| A/ | 6 | 9 |
| A | 7 | 1 |
| B | 8 | 3 |
| A in 0+ | 9 | - |
| A in 1+ | 10 | - |
| A in 0- | 11 | - |
| B/ | 12 | 11 |
| N/ | 13 | 7 |
| N | 14 | 14 |
| GND | 15 | 2 |

**Wiring diagram for limit and proximity switches**

**Proximity switch out**

|  |  |
| --- | --- |
| Blue | Signal |
| Red | +24V |
| Black | GND |

**Terminal block**

**controller switches**

|  |  |
| --- | --- |
| 12  [ | 1 |
| 1 | 2  **Proximity switch in**   |  |  | | --- | --- | | Blue | Signal | | Red | +24V | | Black | GND | |
| [ | 3 |
| 15 | 4 |
|  | 5 |
| 13 | 6  **Limit switch out**   |  |  | | --- | --- | | Black | C | | White | NC | |
| Black(+24V)\*  [ | 7 |
|  | 8 |
|  | 9  **Limit switch in**   |  |  | | --- | --- | | Black | C | | White | NC | |
| White(GND)\* | 10 |

\* - All limit switches on 4 terminal blocks should be connected in series using a black wire. A single 2-wire cable attached to terminal block on quadrant A connects them to the controller.