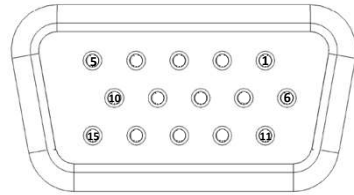
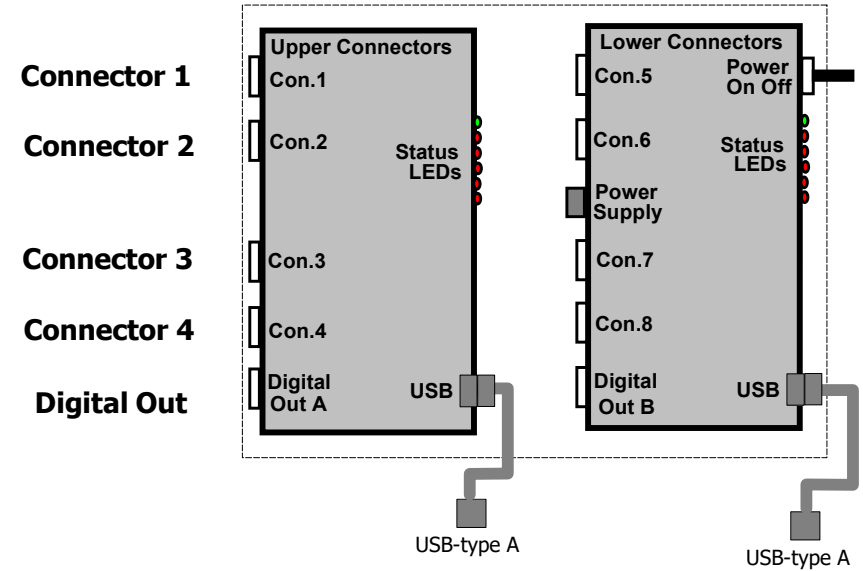


DCU-800

- Detector Control Unit



DCU-800-USB



Connector 1

...

Connector 8

(Sub-D 15 Pin):

- 1: +5 V Out Switchable
- 2: Peltier +
- 3: Peltier +
- 4: Peltier +
- 5: Ground
- 6: -5 V Out Switchable
- 7: Peltier -
- 8: Peltier -
- 9: Peltier -
- 10: +12 V Out Switchable ⁽¹⁾
- 11: -12 V Out
- 12: 0...+10 V HV/Gain Control Signal ⁽¹⁾
- 13: 0...+0.9 V HV/Gain Control Signal ⁽¹⁾
- 14: /OVL1 Input
- 15: Ground

⁽¹⁾ /OVL1 shuts the Output Down

(Sub-D 15 Pin):

- 1: +5 V Out Switchable
- 2: Peltier +
- 3: Peltier +
- 4: Peltier +
- 5: Ground
- 6: -5 V Out Switchable
- 7: Peltier -
- 8: Peltier -
- 9: Peltier -
- 10: +12 V Out Switchable ⁽⁸⁾
- 11: -12 V Out
- 12: 0...+10 V HV/Gain Control Signal ⁽⁸⁾
- 13: 0...+0.9 V HV/Gain Control Signal ⁽⁸⁾
- 14: /OVL8 Input
- 15: Ground

⁽⁸⁾ /OVL8 shuts the Output Down

Digital Output A

(Sub-D 15 Pin):

- 1: +5 V Out
- 2: Bit 0 Open Drain Out ⁽⁹⁾
- 3: Bit 1 Open Drain Out ⁽⁹⁾
- 4: Bit 2 Open Drain Out ⁽⁹⁾
- 5: Ground
- 6: -5 V Out
- 7: Bit 3 Open Drain Out ⁽⁹⁾
- 8: Bit 4 Open Drain Out ⁽⁹⁾
- 9: Bit 5 Open Drain Out ⁽⁹⁾
- 10: +12 V Out
- 11: -12 V Out
- 12: Bit 6 Open Drain Out ⁽⁹⁾
- 13: Bit 7 Open Drain Out ⁽⁹⁾
- 14: - do not connect -
- 15: Ground

⁽⁹⁾ /OVL1-4 shuts the Output to High-Impedance (On Request)

Digital Output B

(Sub-D 15 Pin):

- 1: +5 V Out
- 2: Bit 0 Open Drain Out ⁽¹⁰⁾
- 3: Bit 1 Open Drain Out ⁽¹⁰⁾
- 4: Bit 2 Open Drain Out ⁽¹⁰⁾
- 5: Ground
- 6: -5 V Out
- 7: Bit 3 Open Drain Out ⁽¹⁰⁾
- 8: Bit 4 Open Drain Out ⁽¹⁰⁾
- 9: Bit 5 Open Drain Out ⁽¹⁰⁾
- 10: +12 V Out
- 11: -12 V Out
- 12: Bit 6 Open Drain Out ⁽¹⁰⁾
- 13: Bit 7 Open Drain Out ⁽¹⁰⁾
- 14: - do not connect -
- 15: Ground

⁽¹⁰⁾ /OVL5-8 shuts the Output to High-Impedance (On Request)