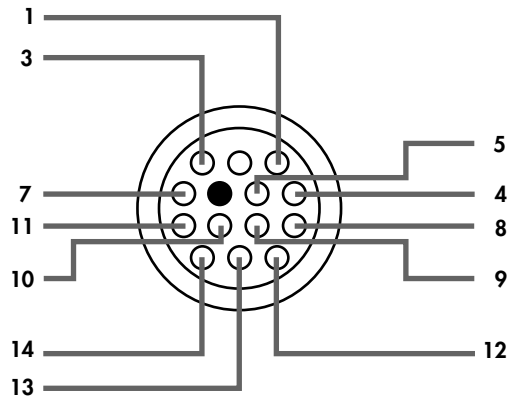


# Application Note 100

## J20 Operational Control Connector

The J20 Operational Control connector is located on the rear panel of *ULTRA* series ultrasonic generators. Standard features available at the J20 connector include:

- Operational Input
- Isolated Voltage Controlled Operational Input
- Status Output
- Transducer Operating Frequency



**J20 OPERATIONAL CONTROL**  
AS VIEWED FROM THE GENERATOR  
REAR PANEL

- |         |  |
|---------|--|
| J20 - 1 | Operate Enable (+24Vdc when generator mode selector switch is in the OPERATE position) |
| J20 - 3 | Operate Input Contact Closure  |
| J20 - 4 | Isolated Voltage Controlled Operate Input  |
| J20 - 5 | Status Output  |
| J20 - 7 | Isolated Voltage Controlled Operate Input  |
| J20 - 8 | +24Vdc (for use with Dukane-supplied options only)                                     |
| J20 - 9 | +24Vdc Ground  |
| J20 -10 | Chassis Ground   |
| J20 -11 | Buffered Transducer Frequency  |
| J20 -12 | 120Vac Common (for use with Dukane-supplied equipment only)                            |
| J20 -13 | Status Ground  |
| J20 -14 | 120Vac (for use with Dukane-supplied equipment only)                                   |