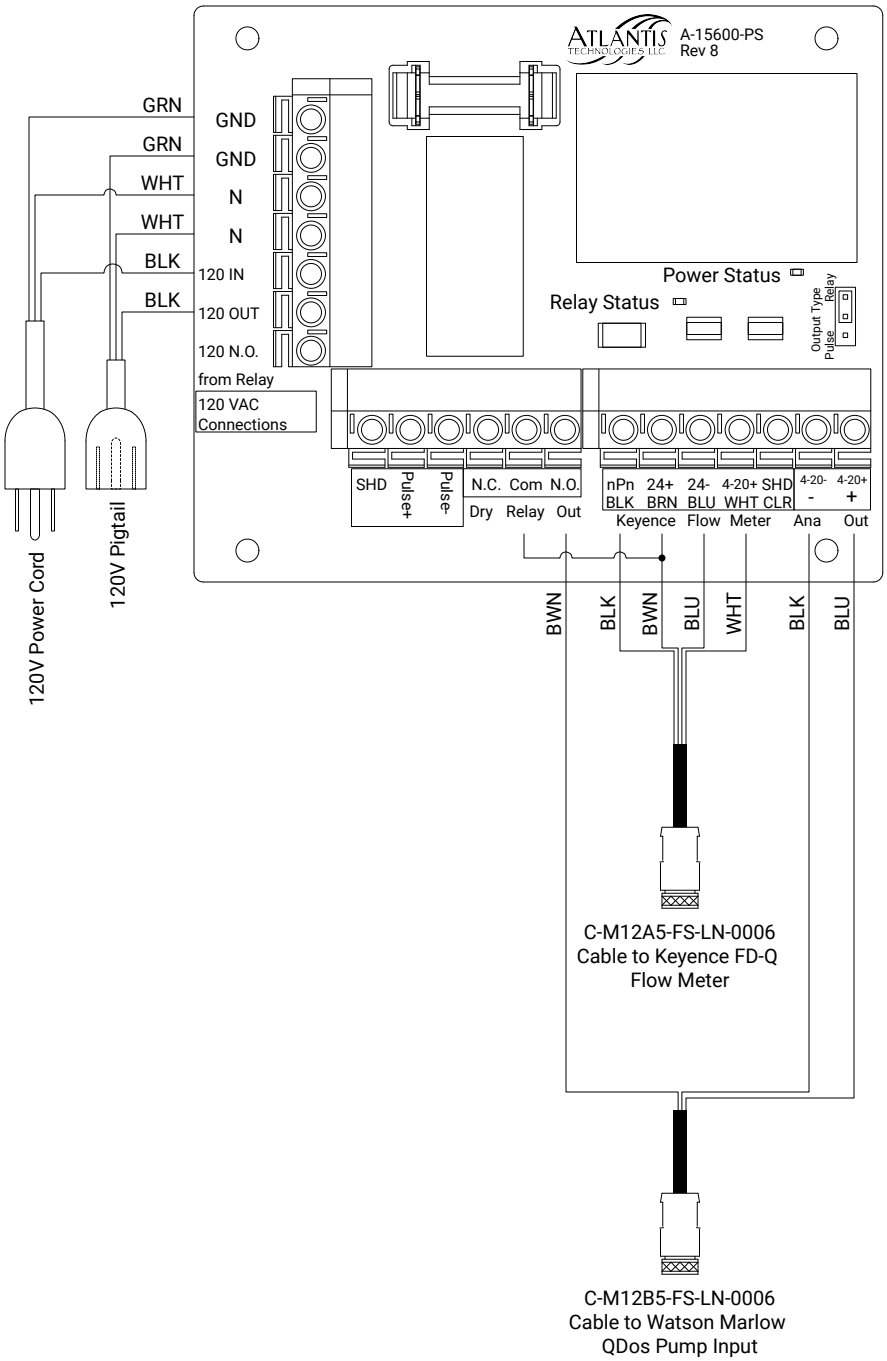
A-15600-PSW-KQ Keyence & QDos Wiring



**To remotely control the pump speed using a 4-20mA signal, see page 3 for details.

Drawn By	BLB	Project	
Date	2/28/25	Atlantis LPB Polymer System w/ Watson Marlow QDos Pump	
Applies to S/N:	10340701 -	Assembly #	A-15700-XXX-WNNN
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ATLANTIS TECHNOLOGIES LLC
2525 Quicksilver Rd
McDonald, PA 15057
724-695-2900
www.atlantisllc.com

QDos Pump Settings

Analog Speed Control
1. Press Mode
2. Select Analog 4-20mA
3. Press Select

Start/Stop Control
1. Press Menu
2. Select Control Settings
3. Press Select
4. Select Configure Start/Stop Input
5. Press Select
6. Select Configure Start/Stop Input
7. Press Select
8. Select Low
9. Press Select
10. Press Home

Keyence Flow Meter Settings

Initial Setup
1. Starting Screen shows P-n
2. Hold MODE + UP
3. **Unit = G**
4. P-n = nPn
5. **Ch.2 = AnLG**
6. dir = R
7. ¾ PiPe
8. End – Press MODE

Full Setup (After Initial Setup Hold MODE)
1. out 1 = Std
2. nonC = n.o.
3. AnLG = 4-20
4. A-Lo = 0.0
5. **A-Hi = 12.8 (7.7 GPH)**
   26.5 (15.9 GPH)
6. SPd = 5.0
7. ttL = 1
8. End – Use Arrows to Show FuLL – Press MODE
9. rESo = 0.1
10. AuE.d = 1
11. HYS = 0.3
12. cut = 0.5
13. Led = Grn
14. Eco = oFF
15. tESt = oFF
16. Loc = Std
17. dir = r
18. ¾ PiPe
19. **AdJ = SEL**
20. **Sch = 80**
21. End – Press MODE

*__Bold__ shows values changed from Keyence default.
*A-Hi is set for 1% ratio by default.

To reset hold MODE and press UP 5x.

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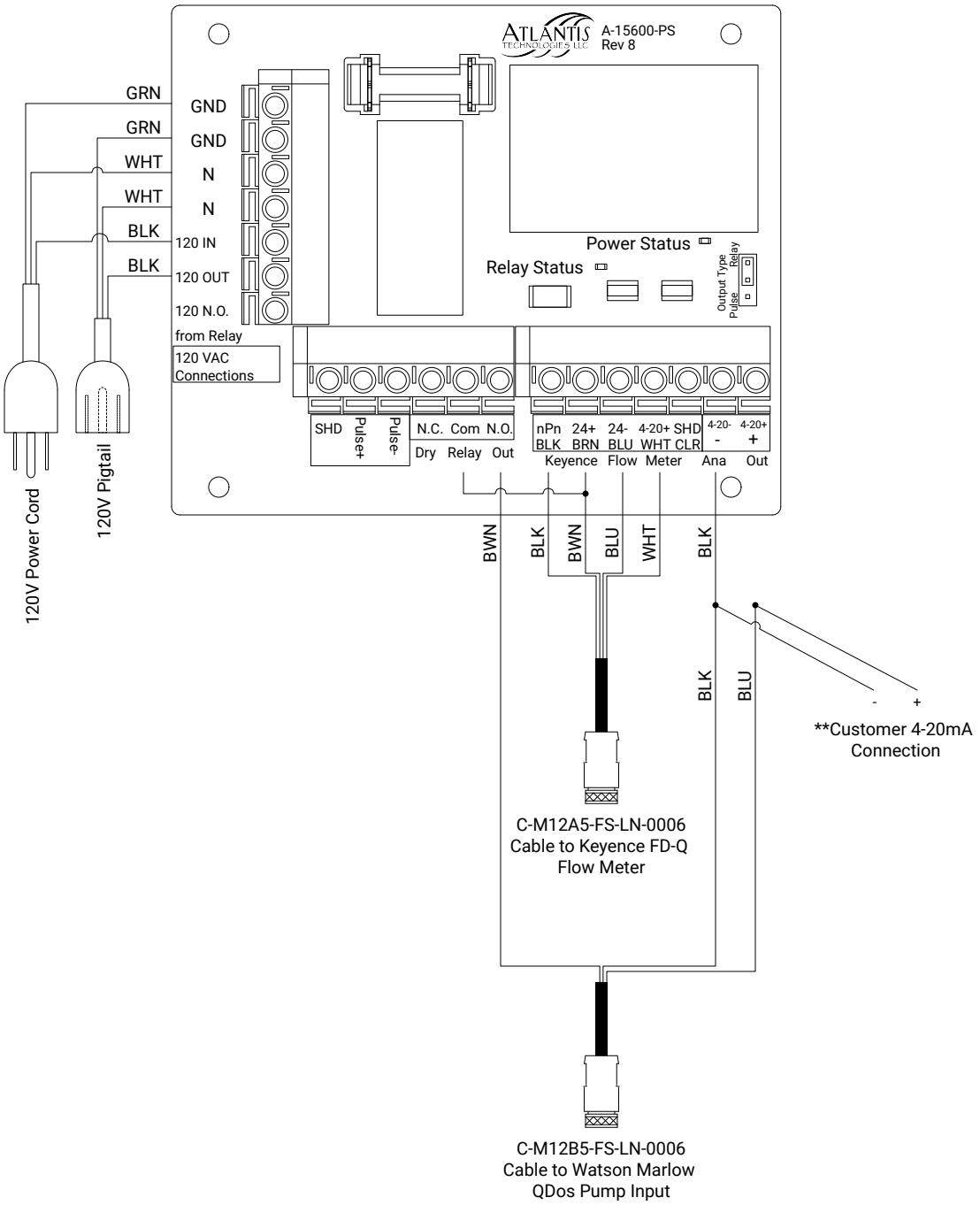
**Customer 4-20mA Connection Example

A-15600-PSW-KQ Keyence & QDos Wiring



**To remotely control the pump speed using a 4-20mA signal, disconnect the BLK & BLU wires from the 4-20mA output terminals on the A-15600-PS power supply and wire the new 4-20mA wires with + to BLU and – to BLK.

IMPORTANT: The BLK negative wire must be connected to Ana Out - on the A-15600-PS power supply to allow the QDos start/stop signal to function properly with flow.

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