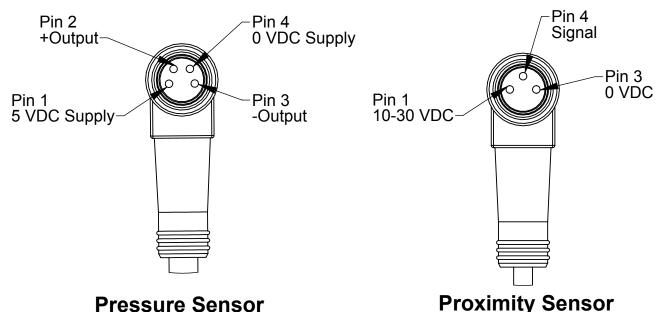


## Pressure Sensor VALVE 1 -M8 4-Pin Pressure **Sensor Connector** 5 M8 3-Pin Proximity Sensor Connector **Exhaust Muffler** Air Supply-Pressure Sensor -9121-JU4-M Pressure Sensor retaining screw access hole (M2.5 x 8mm Set Screw)-

## **Notes**

- 1. The 9121-JU4-M valve adapters pneumatically interlink two 5/2 valves to reduce the probability of an unintended tool unlock. With this design, the Tool Changer will unlock ONLY when BOTH valves are in the UNLATCH position. Note: Two independent Unlatch signals are required to energize the two valves and cause the Tool Changer to unlock. To lock the Tool Changer, a single Latch signal is provided to both valves.
- 2. The 9121-JU4-M Valve Adapter must be used with a Control Signal module that can support the pressure sensor and proximity sensor inputs generated by the JU4 (ex. 9121-DL5-M). Reference manual for detailed instructions on the operation of the JU4.
- 3. The valves require supply voltage between 19-29V, the pressure sensor requires 5V, and the proximity sensor 10-30V.
- 4. The valves must be supplied clean, dry, non-lubricated air at 60 to 100 psi (4.1-6.9 Bar) and filtered at 40 microns or better. NOTE: The valves will NOT operate correctly if insufficient air pressure is supplied.
- 5. It is critical that the exhaust mufflers are not restricted. As part of a preventative maintenance program, periodically inspect and/or replace the exhaust mufflers.



**Exhaust** 

Muffler

## NOTES: UNLESS OTHERWISE SPECIFIED. DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS. INDUSTRIAL AUTOMATION

3rd ANGLE PROJECTION

**Interface Connector** 

9121-JU4-M PNEUMATIC CIRCUIT (Note 1)

To Lock Port

Proximity

Sensor

1031 Goodworth Drive, Apex, NC 27539, USA Tel: +1.919.772.0115 Email: info@ati-ia.com Fax: +1.919.772.8259 www.ati-ia.com ISO 9001 Registered Company

Interface Connector

PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

CHECKED BY: W. Berrocal. 8/26/16

CHECKED BY: W. Berrocal. 8/26/16

TITLE

Valve Adapter, Dual Proximity and Pressi

Valve Adapter, Dual Double Solenoid Valves, G, QC-210, w/ Proximity and Pressure Sensor

PROJECT # SHEET 3 OF 3

1:2 B

SCALE

9630-20-JU4

DRAWING NUMBER

To Unlock Port

3

**Exhaust** 

Muffler

REVISION 03

VALVE 2