

## Lynx™ Dual Relay Output Module - OR2-D

The OR2-D is a DIN rail mountable dual contact closure output module designed to be used with the eDART System™. The Output Module's two dry contact outputs can be configured to implement part containment or transfer a molding machine.

The Output Module is designed to be mounted on standard 35mm DIN rail often found in machine panels. Once mounted, the J1 and J2 connectors allow the unit to be interfaced with other Lynx™ DIN rail modules and the eDART System™. Each machine panel installation of one or more DIN rail modules requires either an ID7-D-SEQ or a DIN/LX-D to terminate the DIN rail module chain.

Each of the new outputs in the OR2-D has a normally open and normally closed set of contacts and an indicator light to show when the output is energized. See Figure 8 and Table 10 for more information.

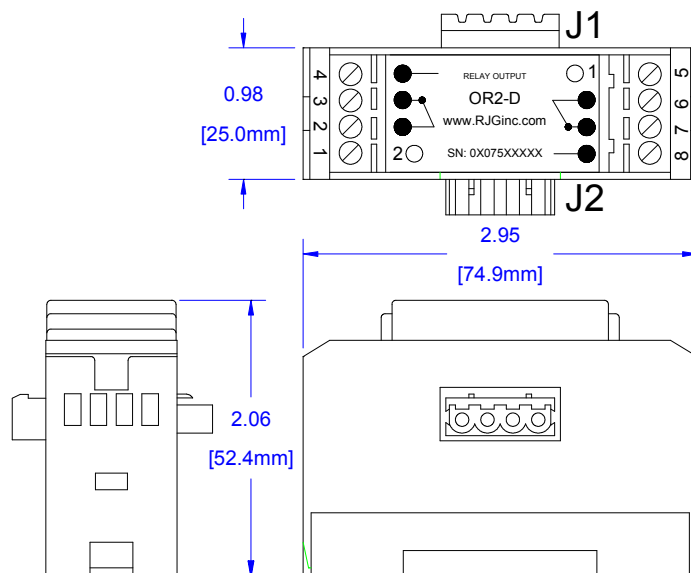


Figure 8: Lynx™ Dual Relay Output Module



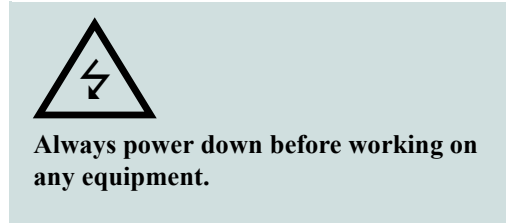
**Always disconnect the power before working on this or any electrical equipment.**



**When using an RJG cavity pressure transfer control input, it is important to ensure the backup setpoints for time, position or pressure on the machine are used. In the event the cavity pressure transfer control input is not seen by the machine controller, the backup setpoints will prevent damaging the tool. Care should also be taken when interfacing to part containment equipment to ensure adequate safety backups are in place.**

Connection	Function	Wire Color
Terminal 1	N/A	-
Terminal 2	N.C. CR2	-
Terminal 3	COM CR2	Black
Terminal 4	N.O. CR2	Brown
Terminal 5	N/A	-
Terminal 6	N.C. CR1	-
Terminal 7	COM CR1	Black
Terminal 8	N.O.CR1	Green
J1, J2	Communications	-

Table 10: Lynx™ Dual Relay Output Module terminal connections



Technical Specifications	
Power (supplied by eDART)	12 VDC
Current Draw	50mA
Contact Rating	1A 30V DC

Table 11: Lynx™ Dual Relay Output Module technical specifications

## OR2-D Installation Instructions

### Part Containment

The eDART™ software allows one or both of the OR2-D contacts (CR1 and CR2 respectively) to be set up for part containment. The user can define the contacts as a ‘Good Part’ output or a ‘Reject Part’ output, depending on the application.

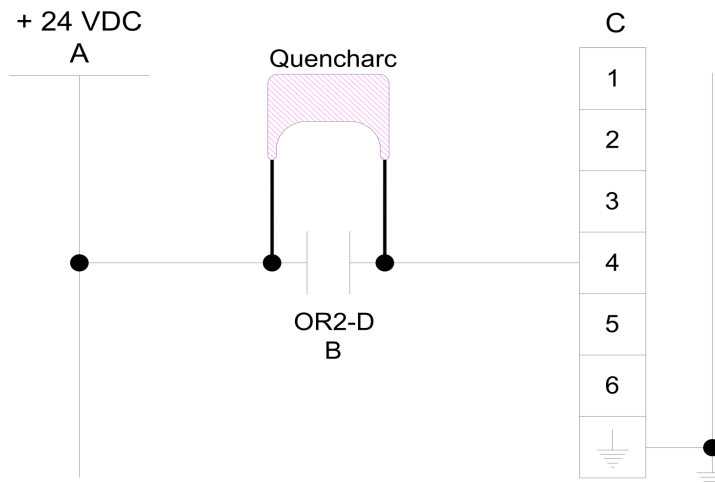
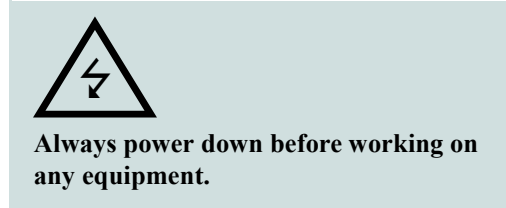


Figure 10: Lynx™ Dual Relay Output Module Robot Interface

<b>A</b>	Machine Source
<b>B</b>	Normally Open Contact
<b>C</b>	Robot Input Card

Table 12: Figure Labels

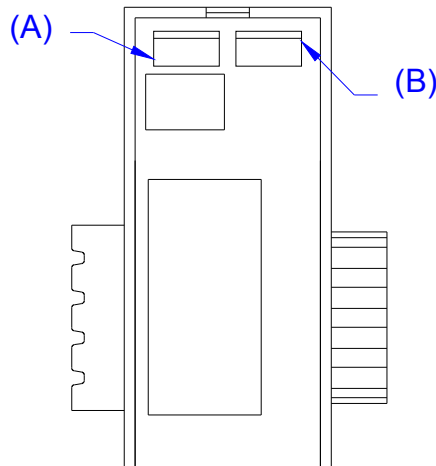
### Machine Transfer

Transfer a molding machine by pressure, screw position or timer backup which will allow the implementation of RJG, Inc.’s Decoupled Molding process. In this configuration one side of the OR2-D contacts is defined as “Velocity to Pressure” in the application. Therefore, the OR2-D output will transfer the molding machine from the velocity stage to the pressure stage.

The OR2-D can be interfaced with a machine input card as shown in Figure 10.

**Contact Fuses**

Each set of relay contacts has a spare fuse. By removing the bottom of the module with a screw driver, the user can replace a blown relay fuse. Figure 12 shows the location of the relay and spare fuses\*.



**Always power down before working on any equipment.**

Figure 12: Lynx™ Dual Relay Output Replaceable Fuse Location

<b>A</b>	Relay Fuse
<b>B</b>	Spare Fuse

Table 13: Figure Labels

\* Wickmann part #3961200044