



Lynx™ Dual Relay Output Module - OR2-S

The OR2-S is a surface 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.



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

The Output Module is designed to be mounted on any surface. The Lynx connector allows the unit to be interfaced with other Lynx™ devices. See the figure below for dimensions.

Each of the new outputs in the OR2-S has a normally open and normally closed set of contacts and an indicator light to show when the output is energized. See Figure 1 and Table 1 for more information.

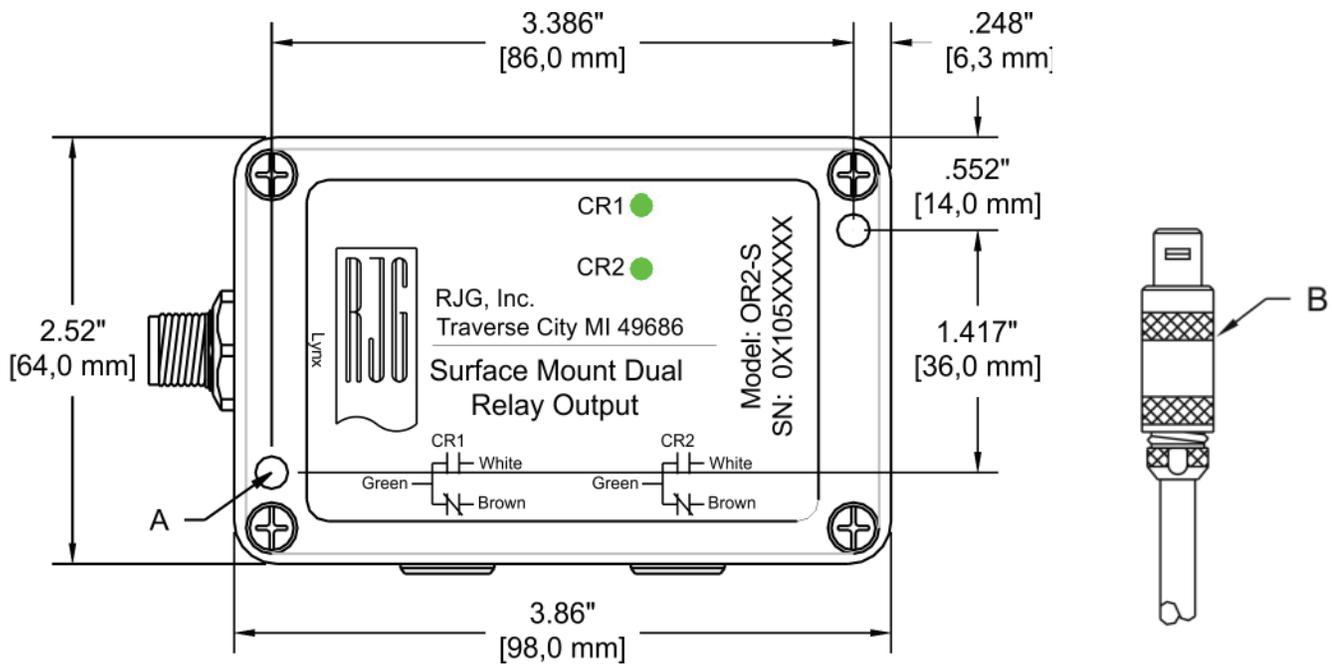


Figure 1: A. Drill and tap for 10-24 threads B. C-OR2/LX-4M

Signal	Wire Color
Normally Open	White
Common	Green
Normally Closed	Brown

Table 1: OR2-S Wiring

Technical Specifications	
Contact Rating	4A 24V DC

Table 2: Technical Specifications



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.

OR2-S Installation Instructions

Part Containment

The *eDART*[™] software allows one or both of the OR2-S 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.

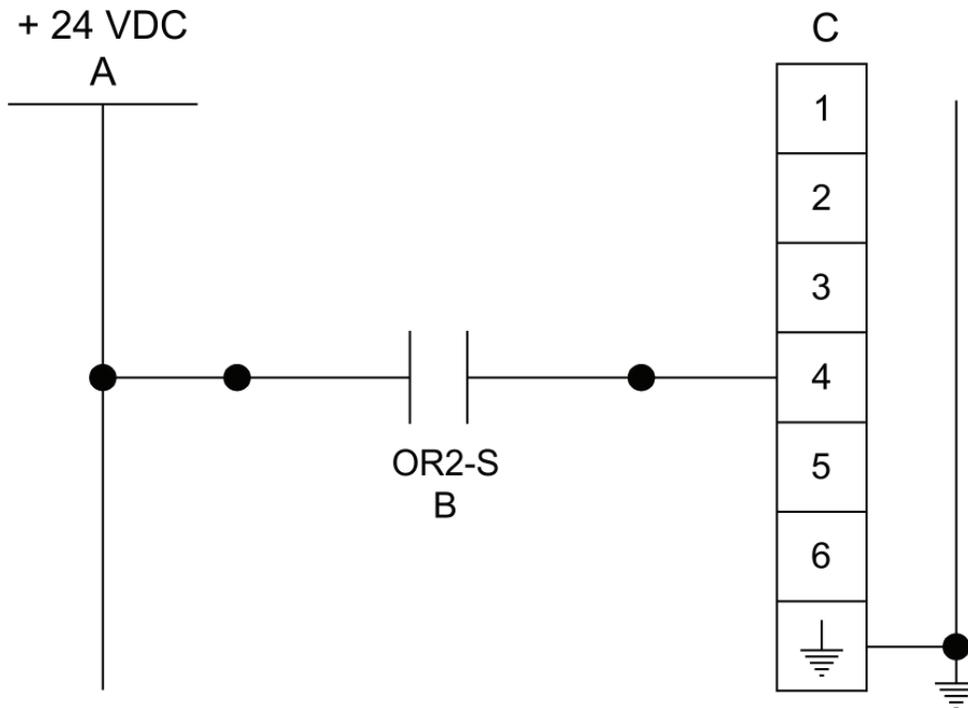


Figure 2: Lynx[™] Dual Relay Output Module Interface with one type of Robot Interface

A	Machine Source
B	Normally Open Contact
C	Robot Input Card

Table 3: 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-S contacts is defined as "Velocity to Pressure" in the application. Therefore, the OR2-S output will transfer the molding machine from the velocity stage to the pressure stage.

The OR2-S can be interfaced with a Robot Interface card as shown in Figure 2.

Contact Fuses

By removing the cover of the module with a screw driver, the user can replace a blown relay fuse. Figure 3 shows the location of the relay and spare fuses*.



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

Always disconnect all cable from the module before removing cover.

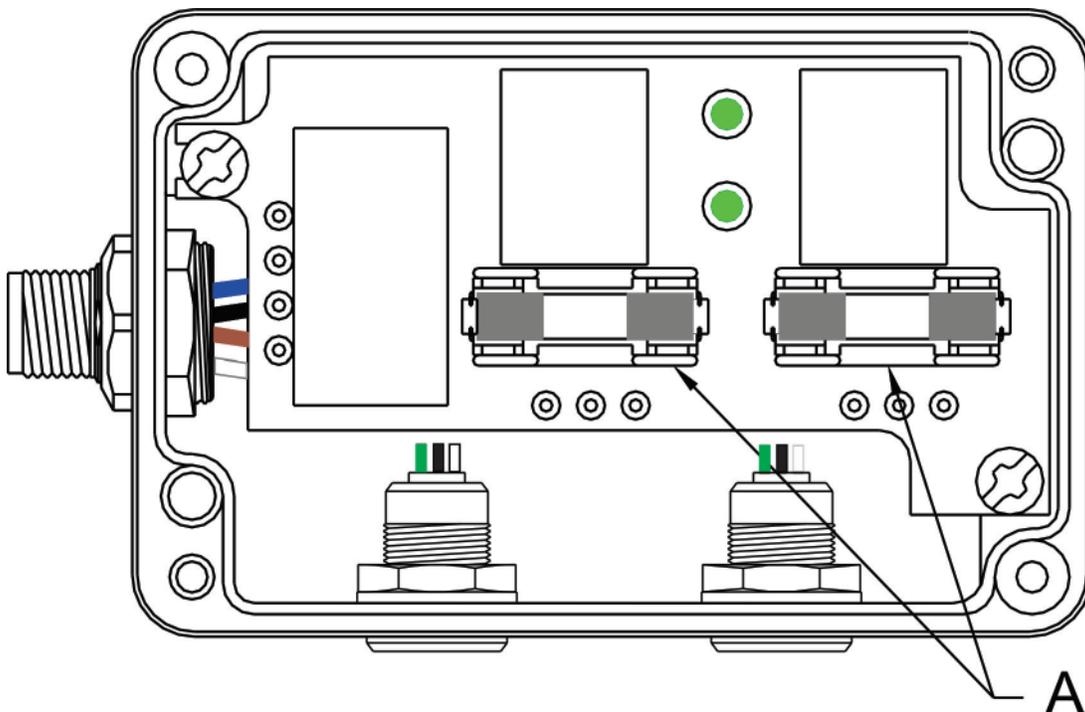


Figure 3: Relay Output Replaceable Fuse Location

A	Relay Fuse
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Table 4: Figure Labels

* part Littelfuse 0234004.MXP#