

RJG Lynx™ Surface Mount Analog Output Module OA1-S-V

General Description

The Lynx™ Surface Mount Analog Output Module is an isolated analog output module that can output a 0-10V DC signal. This module can be mounted wherever needed including inside or outside the molding machine and on or within auxiliary equipment.

Applications

This module can be used to interface with any sensor, or input, that accepts a 0-10V DC signal. Examples of this are:

- Plastic Pressure Input Cards
- Hydraulic Pressure Input Cards

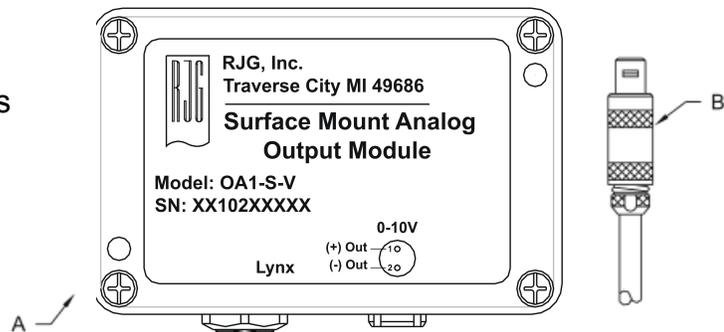


Figure 1: A. OA1-S-V B. C-OA1/LX-4M

Specifications

Output Range	
Voltage Range	0-10V DC
0-10V Output Resistance	175k Ohms
Case Temperature Range	0-60 °C (32 - 140 °F)
Accuracy	0.5%

Table 1: Lynx™ Surface Mount Analog Output Module Specifications



This symbol is used as an operational safety symbol for all work that involves a risk of life and limb for personnel. This symbol also identifies information about practices or circumstances that can lead to personal injury or death, property damage or economic loss. Where this symbol appears throughout this manual, please exercise particular care and caution while carrying out tasks.



This symbol is used as an operational safety symbol for all work that involves risk of electrocution. For instance, it can represent areas of high voltage where power should be disconnected in advance to any servicing.

Installation

Step One: Drill and Tap Mounting Holes for the RJG Lynx™ Surface Mount Analog Output Module.

Figure 2 shows mounting hole locations and overall dimensions. Use the following guidelines when determining the mounting location:

- Do not mount in locations subject to high shock or vibration (such as ejector plates or actuating mold components)
- The module must be mounted to surfaces between 0 - 60 °C (32 - 140 °F)
- Drill and tap for 10-24 threads

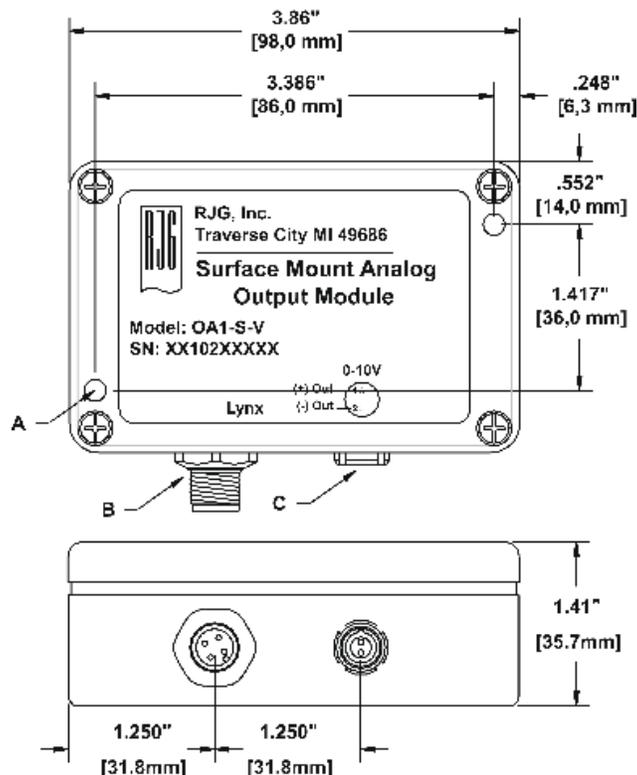
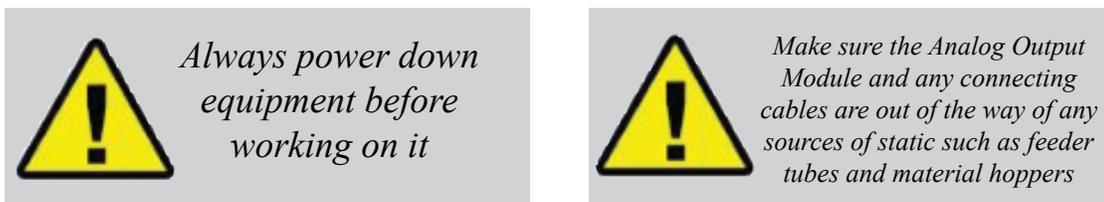


Figure 2:

- A. Drill and tap for 10-24 threads
- B. Lynx™ communications connector
- C. Analog Voltage Output Connector

Step Two: Mount the RJG Lynx™ Surface Mount Analog Output Module.

Bolt the RJG Lynx™ Surface Mount Analog Output Module to the mounting surface. Use (2) 1.75" x 10-24 threaded screws.

Step Three: Wire the input to the Analog Voltage Output Cable.

Wire the input to the Analog Voltage Output Cable (Refer to Table Two). Consult sensor documentation before wiring. Plug Analog Voltage/Output Connector into module. See Figure 3.

Step Four: Connect RJG Lynx Surface Mount Analog Output Module to the eDART™.

Connect the Lynx communication cable between the Surface Mount Analog Input Module and the eDART™ communications port.

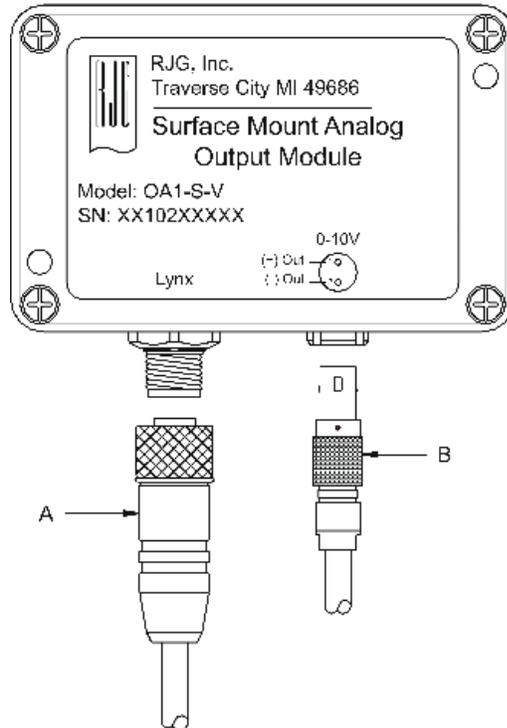


Figure 3:
 A. Lynx™ Communications Connector
 B. Analog Voltage/Output Connector C-OA1/LX-4M

Signal	Details	Pin Number	Wire Color
+ Output	0 - 10V DC Output	Pin 1	Brown
- Output	Analog Common	Pin 2	White

Table 2: Analog Input Voltage/Output Connector Wiring Guide

Step Five: Configure the eDART™ Software

The eDART™ Sensor Locations screen will show the Analog Output Module as shown in Figure Four: If the Analog Output Module has not yet been configured, the channel will be named “0 - 10V Output” with no location entered.

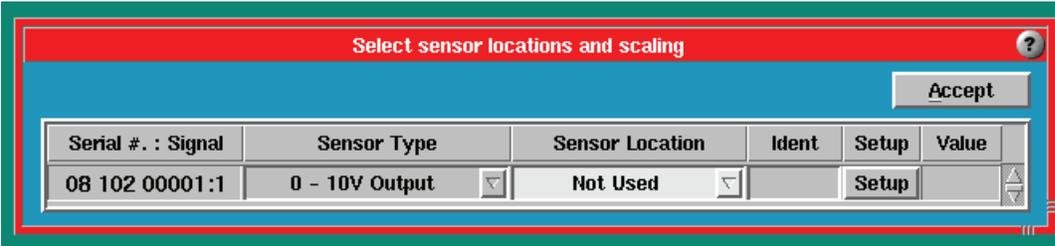


Figure Four: Sensor Locations Screen

Select the Setup button to bring up the setup screen (refer to Figure Five). This will allow access to pull-down menus allowing the setup of many different types of sensors.

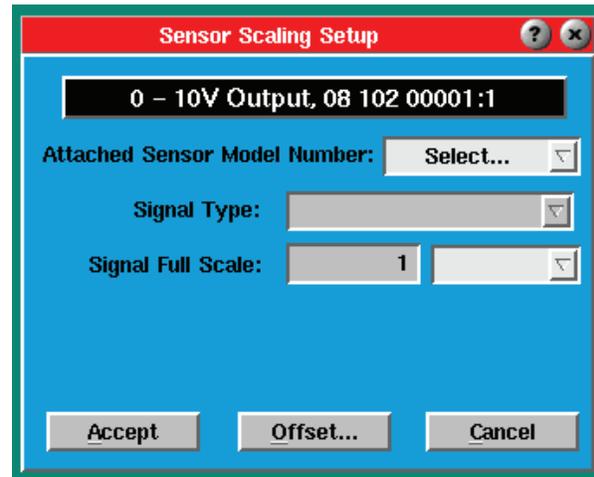


Figure Five: Setup Screen

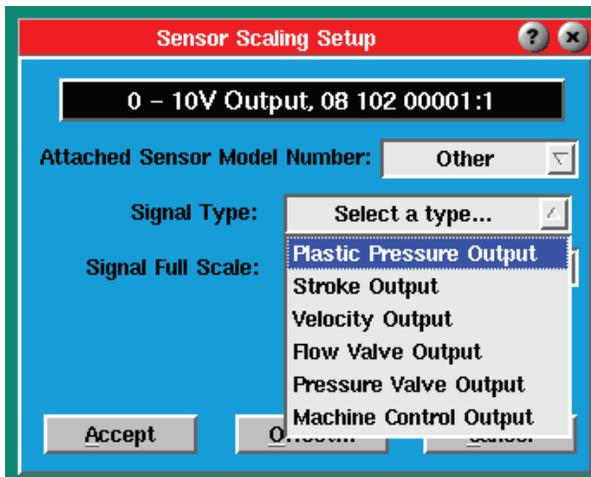


Figure Six: Signal Type Selection

The “Attached Sensor Model Number” Selection window only allows one selection “Other”. Selecting “Other” will then allow the “Signal Type” window to activate allowing access to many different types of sensors. Refer to Figure Six.