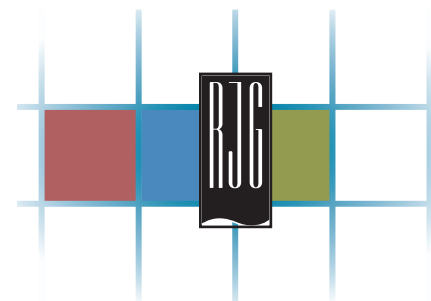
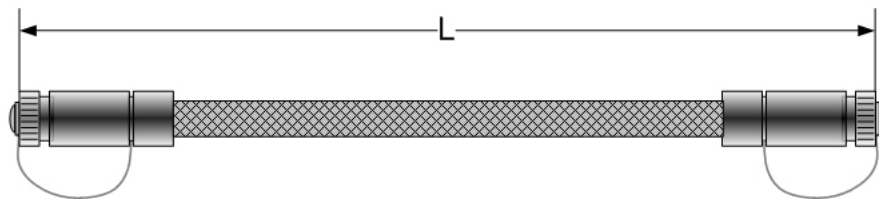


Cable Specification	
Connectors	Fischer 11 Pin Male w/caps
Shielding	Double Braided Shield
2 Meter Part Number	C-PZ/LX8F-S-2m
1 Meter Part Number	C-PZ/LX8F-S-1m



GENERAL DESCRIPTION

The Lynx Eight Channel Piezo Adapter provides cavity pressure sensor users with a convenient, simple interface to Fischer connector based eight channel piezo systems. The device accepts inputs from any piezo sensor.

Lynx Eight Channel Piezo Adapter PZ/LX8F - S Selection & Installation Guide

Technical Specifications	
Channels	8
Piezo Input Connector	Fischer 11 Pin w/cap
Range	0 - 20000 pC
Accuracy	±1%
Max. Temp. (Operating)	140° F
Warm-up Time	5 minutes

HARDWARE INSTALLATION

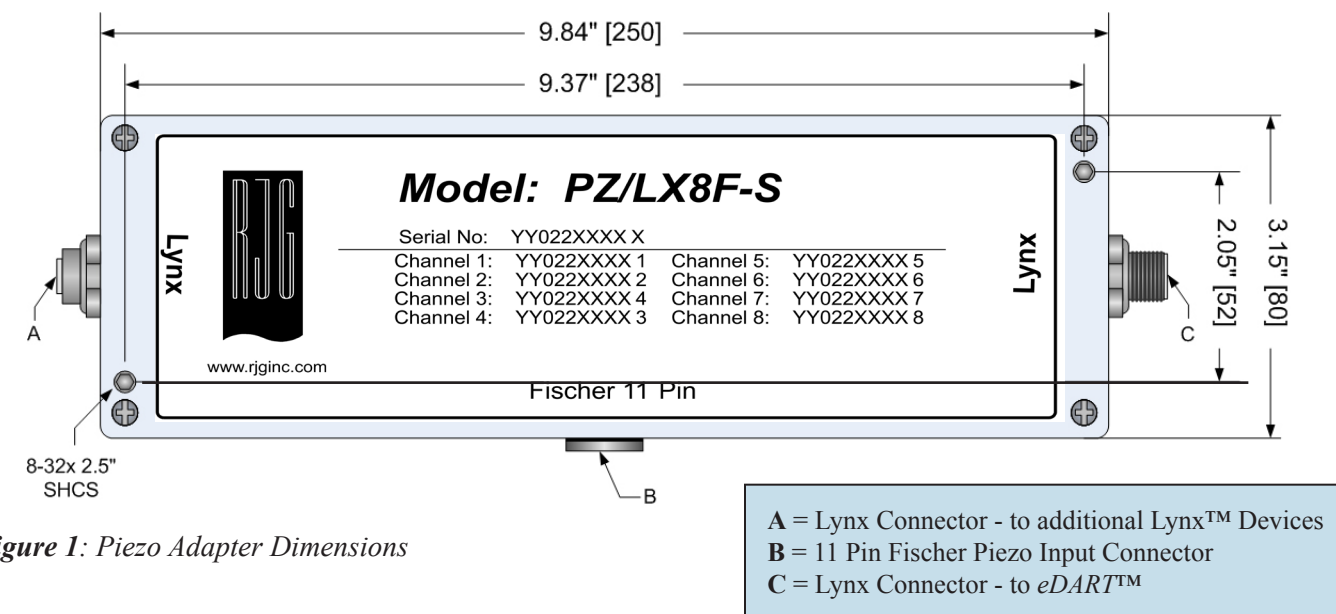


Figure 1: Piezo Adapter Dimensions

NOTES: The Lynx Piezo Adapter must be mounted on a frame grounded structure (such as a mold in the press or platen) or control panel to ensure proper operation.




Make sure that the Ground Potential of the structure is the same as the Ground used by the eDART™. (This can be done by using a multimeter to measure the DC and AC voltage difference between these two locations.)

Make sure that the Lynx Piezo Adapter and any connecting cables are out of the way of any sources of static such as feeder tubes and material hoppers.

For further Information please contact RJG Customer Support at 231-947-3111 ext. 170 or visit our website at: http://rjginc.com/resource_product.html to obtain detailed manuals

IMPORTANT NOTE

 In order to properly zero piezoelectric sensors, the PZ/LX8F-S requires a signal from either an ID7-D-SEQ Lynx 7-channel Sequence Input Module or an L-LS Lynx Mold-Closed Limit Switch. The ID7-D-SEQ or L-LS requires one of the signals listed in Table 2. Figure 3 below shows an example of the Mold Clamped signal being supplied to an ID7-D-SEQ.

NOTE: In order to properly zero, you should not see any cavity pressure within 1/10 of a second after the 'on -> off' or 'off -> on' change.

	Signal	Change
Sequence Module Input	Mold Opening	On -> Off
	Mold Closing	On -> Off
	Mold Fully Open	On -> Off
	Mold Clamped	Off -> On
	Injection Forward	Off -> On
Limit Switch	Mold Fully Open	On -> Off
	Mold Clamped	Off -> On

Table 2: Available Signals

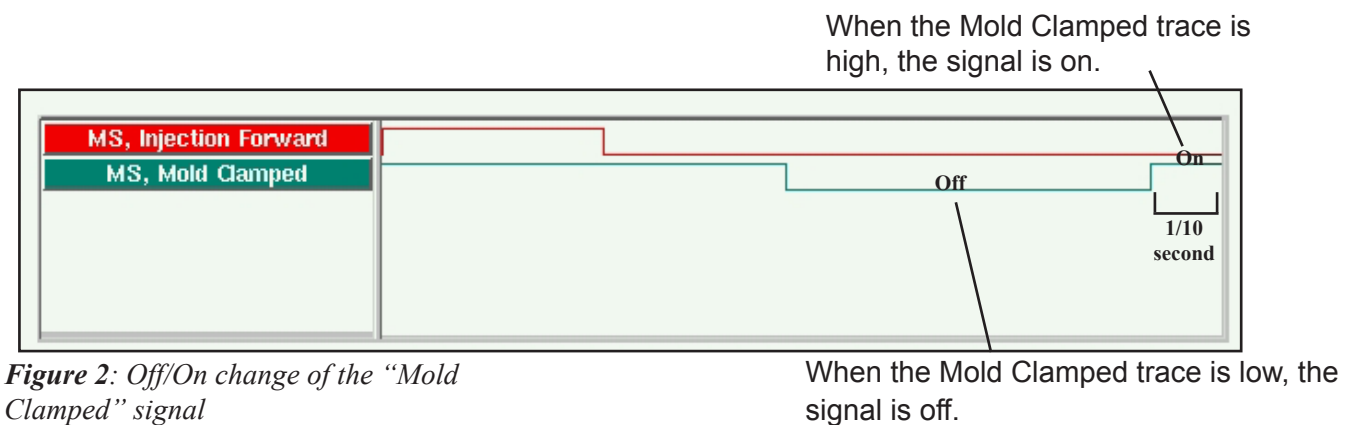


Figure 2: Off/On change of the "Mold Clamped" signal

SOFTWARE SETUP

When a Lynx Eight Channel Piezo Adapter is first connected to an eDART™, initial setup in the eDART™ software is required. When the device is connected, the Sensor Locations tool automatically appears.

Each channel will show up as a separate Piezo adapter. Refer to the label on the device for the serial numbers. In sensor locations, the last number of the serial number (before the ":1") indicates the channel number (see below).

From the setup menu, select the sensor model that is attached to the Piezo Adapter. The Sensor Type and Full Scale will automatically be displayed.

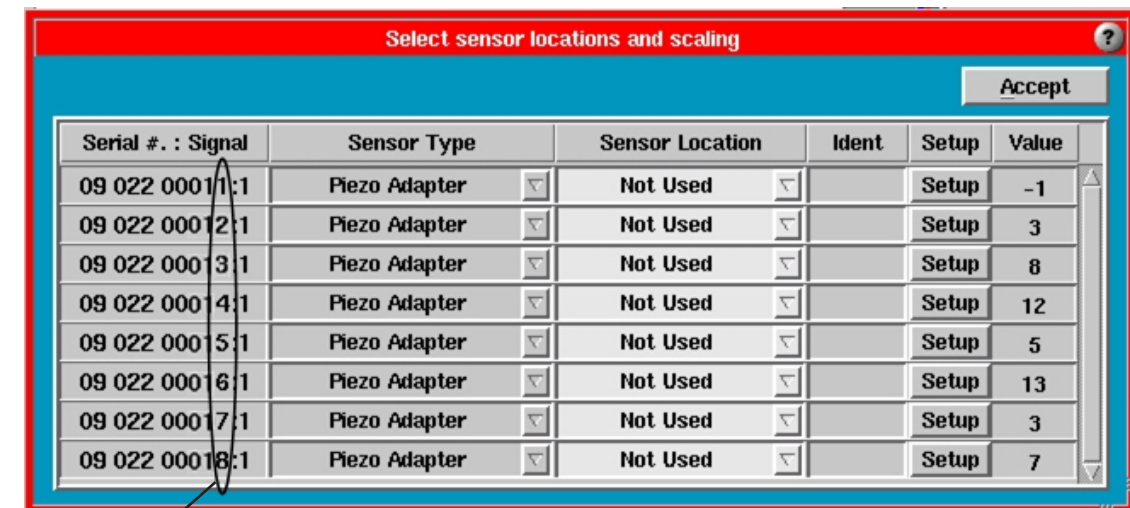


Figure 3: Initial Sensor Locations

Channel Numbers

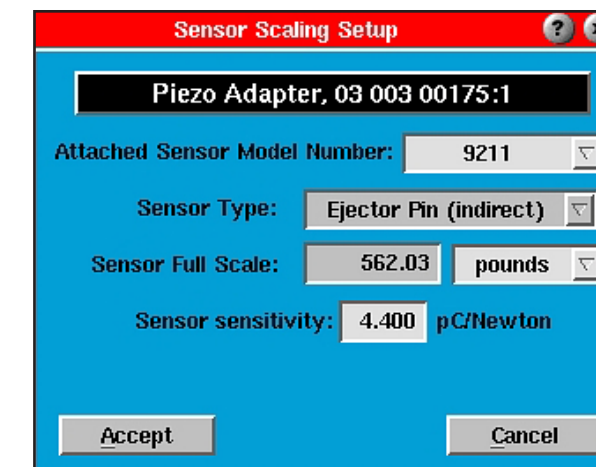


Figure 4: Sensor Scaling Setup

A default sensitivity will appear. Check the traveler that came with your sensor adapter purchase for a more accurate sensitivity. Enter that number on the Sensor Scaling Setup screen. Click the *Accept* button. Once the sensor type has been setup, select the correct sensor location from the pull-down menu. Enter a cavity number or name in the Identifier field if you have two or more sensors set to the same location (in multi-cavity applications). When finished, click the *Accept* button.

NOTE: Non-standard devices are configured by choosing the "Other" sensor type and entering the sensor sensitivity and full scale as necessary.

NOTE: If no sensors are connected to a channel of the Eight Channel Piezo Adapter, simply choose the "Not Used" sensor location in the Sensor Locations tool.