Installation Instructions
For the
DS7425 Multiplex Bus Splitter Module

1.0 General Information

The DS7425 is a one-loop input and two-loop output Multiplex Bus Splitter Module for use with the DS7400Xi Series Control Panel (*Figure 1*). It connects directly to one loop Multiplex Bus and provides two, 2-wire multiplex busses. Operating Voltage: 12 VDC supplied by the control panel. Current Draw: 93 mA.
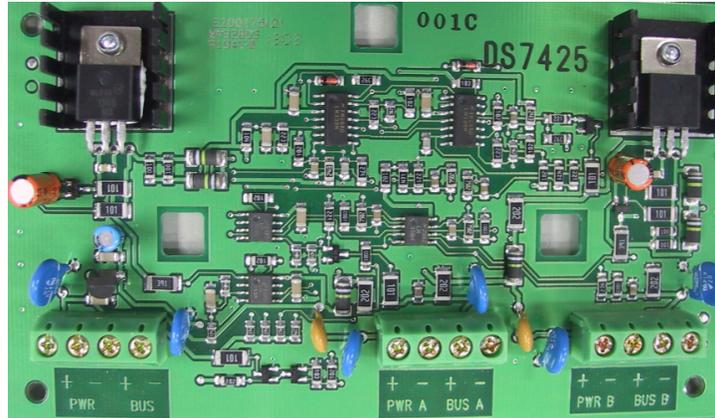

Figure 1: DS7425 Module

2.0 Installations and Wiring

These Installation Instructions assume the control panel is installed and in proper working condition.

> ⚠️
> - Failure to follow the mounting instructions in this manual might result in damage to the DS7400Xi Control Panel.
> - Disconnect power to the control panel before running wires to connect the DS7425.
> - DS7425 must be installed in indoor, dry conditions, and must be shielded for EMI protection.
> - The Power A and Power B outputs are for MUX Bus devices. Do not connect input power to the Power A and B terminals.

- You must distinguish the MUX Bus input and output loops carefully. Refer to *Figure 2*.

- The MUX Bus input loop is connected to the DS7430 or DS7436 (or another DS7425) MUX Bus terminals.

- Only connect two DS7425 in series. Refer to *Figure 3*.

- You can connect an unlimited number of DS7425 in parallel. Refer to *Figure 3*.

- Do not duplicate the addresses on Bus A with the addresses on Bus B.

- The quantity of MUX bus units in each loop is determined by the DS7430 or DS7436.

- You can connect the 12 VDC input power from the DS7400Xi (or DS7430, DS7436) AUX power terminals.
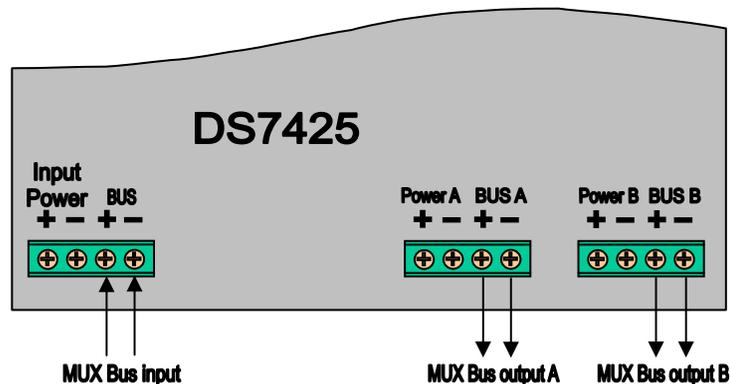

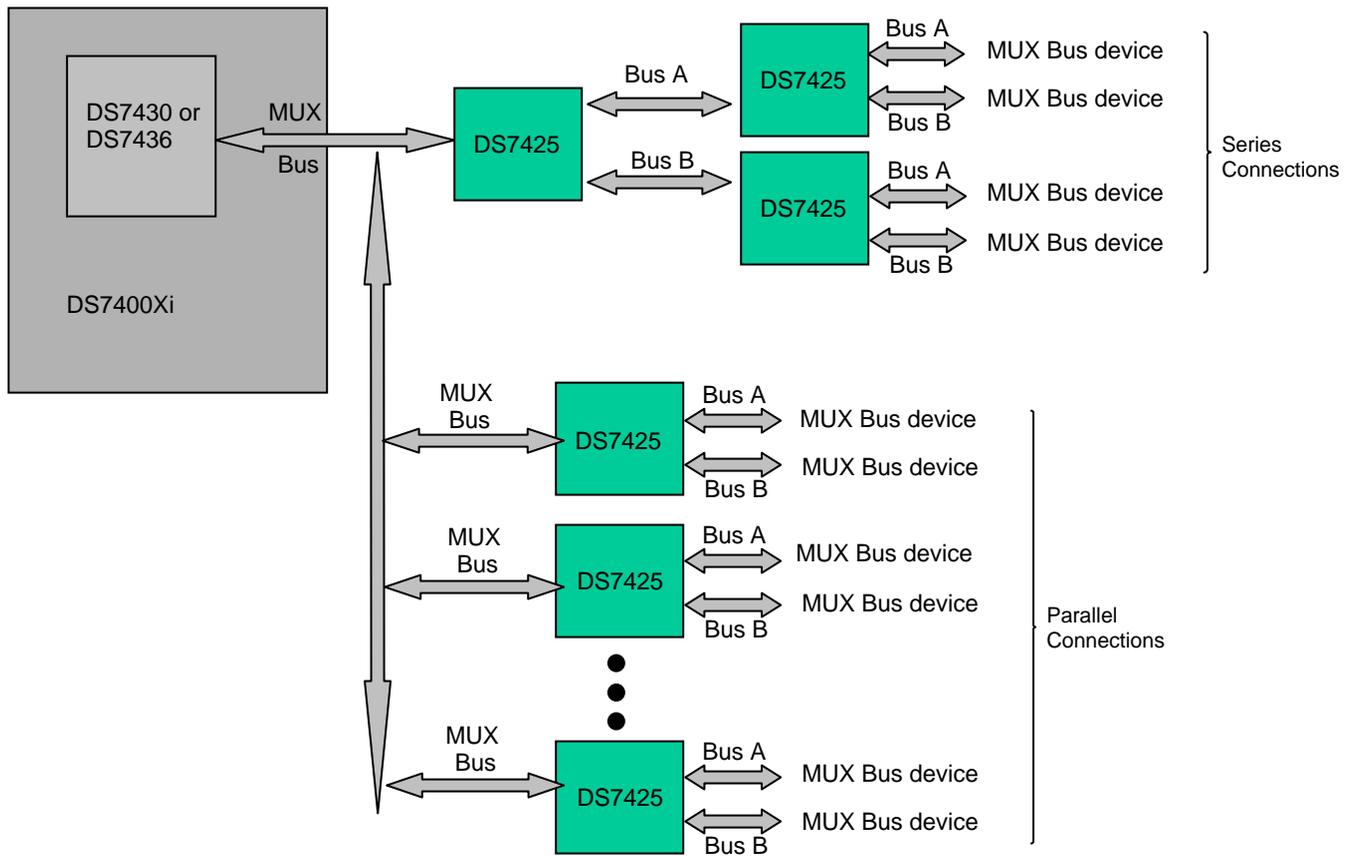Figure 2: Input and Output MUX Bus Loops

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Figure 3: DS7425 Series and Parallel Connections

	• MUX Bus devices include: DS7432, DS7457/DS7457i, DS7460/DS7460i, DS7465/DS7465i, DS3MX/DS3MX-CHI, DS6MX/DS6MX-CHI. • Refer to the DS7400Xi Installation Instructions (P/N: 30944) for additional wiring information.