DSX-USB supports on each single RS485 data line up to 2 PIM400-485 or GWE total per RS485 data line. Each instance of L85 software has a maximum capacity of one hundred twenty-six readers total. DSX LAN supports up to 32 AD and NDE or LE locks total. Each PIM400-485 can support up to 16 AD400 locks and each GWE can support up to 10 NDE.

Earth ground shield on Belden 9843 at one location only.

Wiring shown reflects connection from DSX-LAN to PIM400-485 and GWE only. Additional wiring will be required that is not shown here. If plenum-rated cable is required use Belden 88103 or equivalent.

UL 294 power supplies used should not bond earth ground to signal ground.

DSX communicates in four wire RSI full duplex mode only.

4000’ max RS485 Belden 9843 or equivalent

WHT/BLU
BLU/WHT
WHT/ORG
ORG/WHT
Belden 9843 Drain

NDE Lock
LE Lock
GWE Gateway

GND
TX+
RX+
TX-
RX-

IP
PO

12/24VDC Power Supply
120 VAC

PIM400-485
AD400 LOCK

120 VAC

UL 294 12/24VDC Supply

AC Input
GND Line Neutral

DSX USB Module TX+ TX- RX+ RX-

RS485 TX RX DTR GND

RS232