

Quantum to X80 Front Mount I/O Adapter Installation Guide


Installation instructions for commercial reference: 990ADQUAX80246

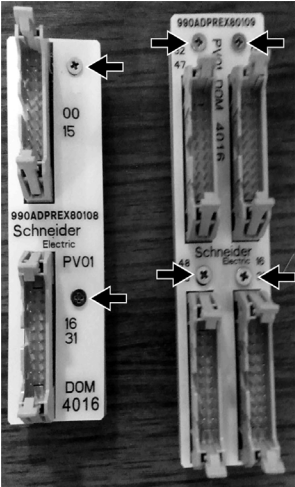

The Quantum 140DDx36400 96 point Input and Output modules to X80 modules use the Premium to X80 Front Mount I/O Adapters (32-point plus 64-point). Use of these adapters allows you to install the Quantum I/O cable's 20 position socket connectors into the high density connectors on the 32 and 64 channel X80 modules without modifying the existing field wiring.

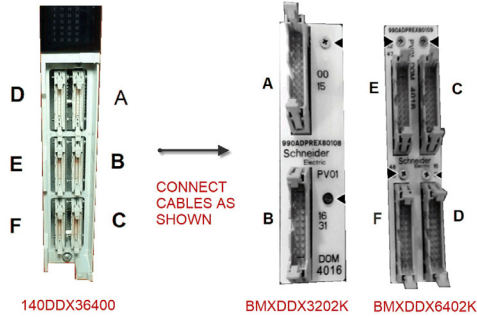
Use the following reference guide to select the appropriate Premium to X80 Front Mount I/O Adapter to match your X80 I/O module:

Quantum Module	X80 Module	Front Mount Adapter Part Number	Comments
140DDI36400	BMXDDI3202K	990ADPREX80108	X80 does not have an equivalent 96-point module.
	BMXDDI6402K	990ADPREX80109	
140DDO36400	BMXDDO3202K	990ADPREX80108	The replacement requires 2 backplane slots: (1) 32-point +(1) 64-point X80 module
	BMXDDO6402K	990ADPREX80109	

To install the X80 Front Mount I/O Adapters, follow these steps:

Step	Action
1	Label each HE10 cable to clearly identify the Quantum module part number, Quantum slot number, and HE10 connector number (A...F).
2	Refer to Installation Instruction document MFR38559 and follow steps 1...7 ("Removing Existing Modules and Backplane") for the Quantum to X80 modernization.
3	Insert the appropriate Front Mount I/O adapter into the BMXDDx3202K or BMXDDx6402K modules: 

Step	Action
4	<p>Attach the Front mount adapter to the module by tightening the securing screws to 0,3...0,4 N•m (2.7...3.5 lb-in):</p> 
5	<p>Insert the cables 20 position socket connector into the appropriate latching connector on the high density X80 Front Mount I/O Adapter, and then engage the two locking latches for each connector with a finger pinch of the locking tabs:</p> 

Step	Action
6	<p>The ordering of the 6 cables to be attached is shown below:</p>  <p>140DDX36400</p> <p>BMXDDX3202K</p> <p>BMXDDX6402K</p> <p>CONNECT CABLES AS SHOWN</p>
7	<p>For BMXDDI3202K and BMXDDI6402K Input modules, connect +24 DC to X80 module pins B1, B2, B11 and B12 for the module too operate. The +24 VDC can be connected to the Telefast block. Refer to the correct Telefast documentation to determine the correct pin to connect the +24 VDC.</p> <p>NOTE: Consult the appropriate Telefast wiring diagram to find the required Telefast connector pin for connecting the +24Vdc for input modules.</p>

NOTE: For additional information on Quantum to X80 modernizations, read the *Quantum to X80 I/O Modernization Instruction Sheet* (Document Number: MFR27333).



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