

When to use Terminator I/O and When to use DL205 I/O

If you answer 'Yes' to any of these questions you may want to consider a Terminator I/O system.

Question	Yes	No
1. Do you have a field I/O application that requires more than 48 discrete I/O and 24 Analog I/O? (Depending on mix)		
2. Does your application require terminal blocks or ZIPLinks for each I/O point?		
3. Does your application have a small panel space requirement for both I/O and terminal blocks?		
4. Does your application require fused discrete outputs?		
5. Does your application require "Hot-Swap" I/O and/or Class 1 Division 2 conformance?		

Examples:

1. I/O Capacity and Price

	BUS Interface Adapter	32 DC In 32 DC Out 16 Ch Analog In 8 Ch Analog Out	Base Requirement for (8) Modules	Terminal Blocks	Additional Wire and 2nd DIN Rail	Totals
DL205 I/O w/ Dinnectors	H2-EBC \$249 F2-DEVNETS \$314	(2) 16pt DC In \$146 (2) 16pt DC Out \$152 (2) 8ch Voltage In \$438 (1) 8ch Voltage Out \$242	9-Slot Base/PS \$170	(3-Packs 50pcs ea DN-D10) Two Tier Dinnectors \$222	\$30	DeviceNet \$1714 Ethernet \$1649
DL205 I/O w/ ZIPLinks & Dinnectors	H2-EBC \$249 F2-DEVNETS \$314	(2) 16pt DC In \$146 (2) 16pt DC Out \$152 (2) 8ch Voltage In \$438 (1) 8ch Voltage Out \$242	9-Slot Base/PS \$170	ZIPLinks \$280 Dinnectors (1-Pack of 50pcs) DN-D10 \$74	\$30	DeviceNet \$1846 Ethernet \$1781
Terminator I/O	Ethernet \$199 or DeviceNet I/F \$145 & AC Power Supply \$82	(2) 16pt DC In \$162 (2) 16pt DC Out \$174 (1) 16ch Voltage In \$382 (1) 8ch Voltage Out \$385	(2) Full Size and (2) Half Size Screw Terminal Bases \$267	N/A	N/A	DeviceNet \$1597 Ethernet \$1651

2. Panel Space Savings

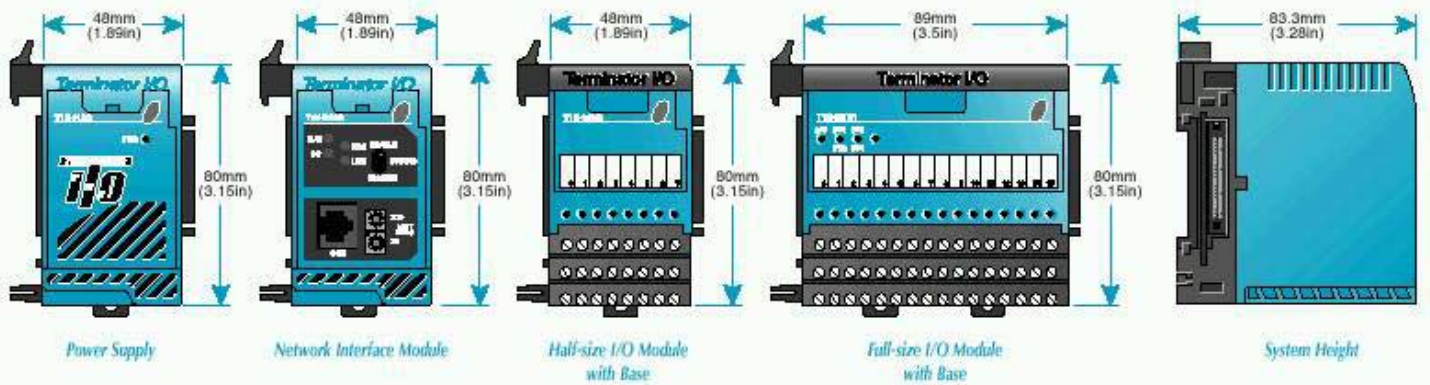


Figure 1: Terminator I/O Module Dimensions

	I/F Module	Power Supply	Full Module	Module Qty	4" Spacing	Panel Area Totals
Height	3.15"	3.15"	3.15"	N/A	2x = 8"	11.15 Height
Width	1.89"	1.89"	3.5"	5	2x = 8"	29.28" Width
						326.47 sq/in

Terminator I/O Example using (5) 16Pt Full Size Modules

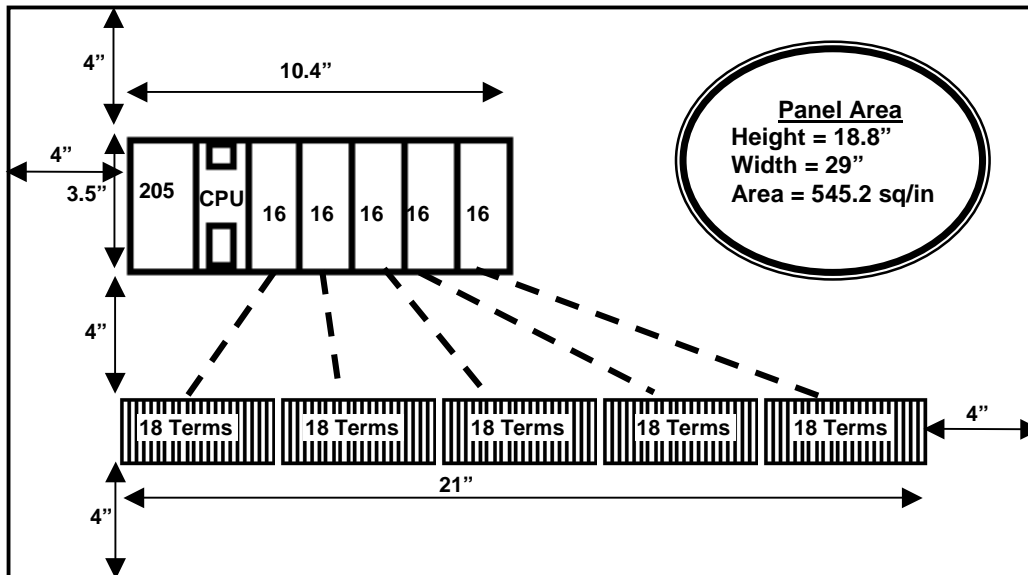


Figure 2: 205 Panel Layout with 16Pt Modules each using 18 Two Tier Terminals

RESULT:

40% Panel Space Savings with Terminator I/O