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Compatibility

Expansion modules

Compatibility of Modicon TM2 expansion modules with Modicon M221, M221 Book, M241 and M251 logic controllers

Compatibility

Modicon TM2 expansion modules		Logic controllers			
		M221	M221 Book	M241	M251
Digital modules	TM2DDI8DT				
	TM2DDI16DT				
	TM2DDI16DK				
	TM2DDI32DK				
	TM2DAI8DT				
	TM2DDO8UT				
	TM2DDO8TT				
	TM2DDO16UK				
	TM2DDO16TK				
	TM2DDO32UK				
	TM2DDO32TK				
	TM2DRA8RT				
	TM2DRA16RT				
	TM2DMM8DRT				
	TM2DMM24DRF				
Analog modules	TM2AMI2HT				
	TM2AMI2LT				
	TM2AMI4LT				
	TM2AMI8HT				
	TM2ARI8LRJ				
	TM2ARI8LT				
	TM2ARI8HT				
	TM2AMO1HT				
	TM2AVO2HT				
	TM2AMM3HT				
	TM2ALM3LT				
	TM2AMM6HT				
Expert modules (counter modules)	TM200HSC206DT				
	TM200HSC206DF				

Compatible

Not **compatible**

Note: The expansion and communication module range **TWD●●●●●** is not compatible with Modicon M221 / M221 Book / M241 / M251 logic controller offer.

Configuration

Modicon TM2 digital I/O modules connect to Modicon M221, M221 Book, M241 and M251 logic controllers according to the general rules for the Modicon TM3 system: a maximum of 7 local I/O modules *(1)*.

Note:

- Modicon TM2 expansion modules can not be connected to the Modicon TM3 bus expansion modules (transmitter and receiver modules).
- The maximum number of Modicon TM2 expansion modules can be reduced by the number of transistor outputs or relay outputs used (see the table below).

Configuration limits	Logic controllers									
	TM221									TM241/ TM251
	C16R CE16R	C16T CE16T	C24R CE24R	C24T CE24T	C40R CE40R	C40T CE40T	M16R ME16R M16RG ME16RG	M16T ME16T M16TG ME16TG	M32TK ME32TK	TM241●●●● TM251●●●●
Maximum number of Modicon TM2 module (local) transistor outputs directly connected to the logic controller	54	67	71	89	113	143	216	*(2)*		
Maximum number of Modicon TM2 module (local) relay outputs directly connected to the logic controller	23	29	30	38	48	61	92	98	97	*(2)*

(1) Excluding Modicon TM2●●●24●● and TM2●●●32●● modules: a maximum of 3 local I/O modules.
(2) Up to 7 ModiconTM2 modules regardless of the number of outputs used.