

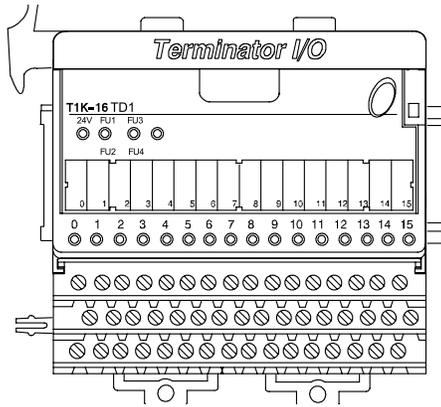
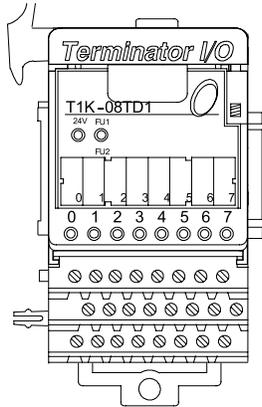
DC Output Modules

T1K-08TD1 \$154.00
T1K-16TD1 \$214.00

8-point and 16-point, current sinking DC output modules

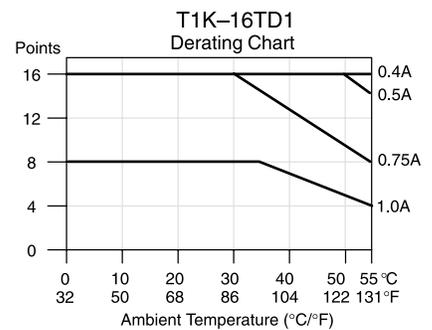
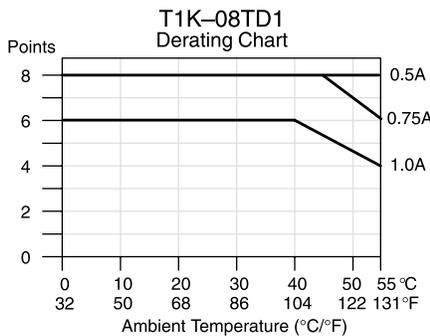
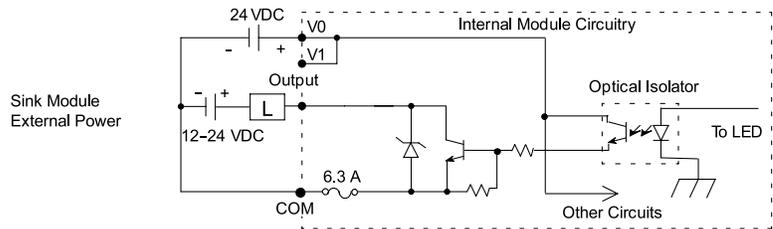
The 8-point DC module uses a [T1K-08B](#) or [T1K-08B-1](#) base, which is purchased separately.

The 16-point DC module uses a [T1K-16B](#) or [T1K-16B-1](#) base, which is purchased separately.



Specifications	T1K-08TD1	T1K-16TD1
Outputs per Module	8 (sink)	16 (sink)
Commons per Module	2 internally connected	4 internally connected
Operating Voltage Range	6–27 VDC min./max.	
Output Voltage Range	5–30 VDC min. / max.	
Peak Voltage	50VDC	
Max. Output Current	1A / pt, 4A / common	
Max. Leakage Current	15 µA @ 30 VDC	
ON Voltage Drop	0.3 VDC @ 1.0 A	
Max. Inrush Current	2A for 100 ms	
OFF to ON Response	< 10µs	
ON to OFF Response	< 60µs	
Base Power Required	100 mA @ 5 VDC	200 mA @ 5 VDC
External Power Required	200 mA max. @ 20–28 VDC	400 mA max. @ 20–28 VDC
Status Indicators	Logic side	
Error Status Indicators	24V ON = low external power	
	FU1/FU2 ON = blown fuse	FU1/FU2 ON = fuse 1 or 2 blown FU3/FU4 ON = fuse 3 or 4 blown
Fuses (User Replaceable) T1K-FUSE-1	2	
	(6.3A, 250 V / common) NQ3-6.3 SOC Corp.	
Weight	85g	140g

Equivalent Output Circuit



DC Output Modules

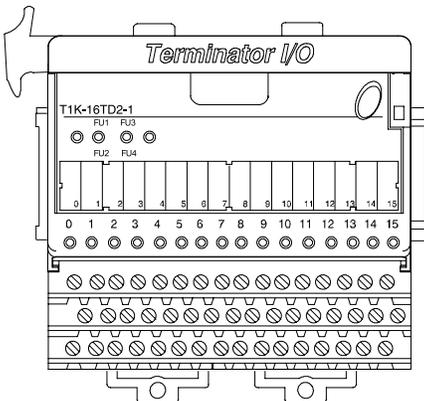
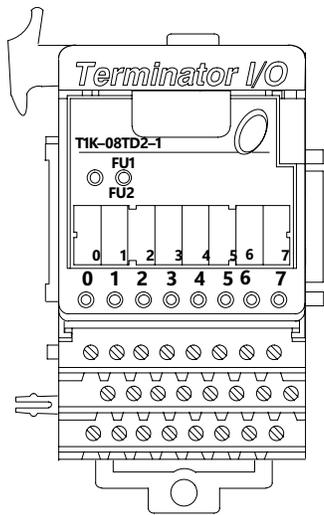
T1K-08TD2-1 \$153.00

T1K-16TD2-1 \$214.00

8-point and 16-point, 12/24 VDC current sourcing DC output module

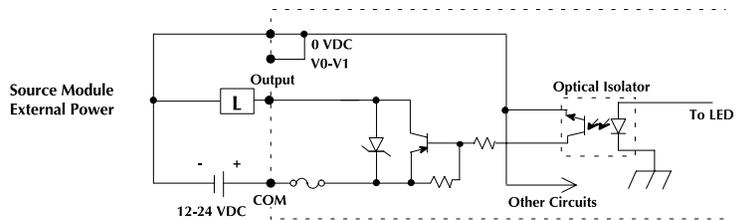
The 8-point DC module uses a [T1K-08B](#) or [T1K-08B-1](#) base, which is purchased separately.

The 16-point DC module uses a [T1K-16B](#) or [T1K-16B-1](#) base, which is purchased separately.

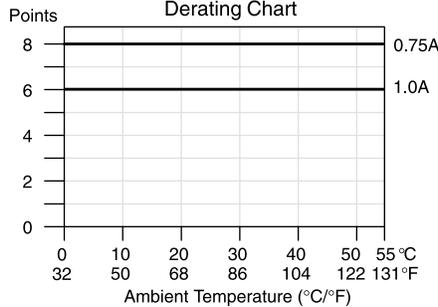


Specifications	T1K-08TD2-1	T1K-16TD2-1
Outputs per Module	8 (source)	16 (source)
Commons per Module	2 internally connected	4 internally connected
Output Voltage Range	10.8–26.4 VDC	
Operating Voltage Range	12–24 VDC	
Peak Voltage	50 VDC	
Max. Output Current	1A / pt, 4A / common	1A / pt., 4A / common (subject to derating)
Max. Leakage Current	15 µA @ 26.4 VDC	
ON Voltage Drop	1.2 VDC @ 1.0A	
Max. Inrush Current	2A for 100 ms	
OFF to ON Response	< 10 µs	
ON to OFF Response	< 0.5 ms	
Base Power Required	100 mA @ 5 VDC	200 mA @ 5 VDC
Status Indicators	Logic side	
Error Status Indications(LEDs)	FU1/FU2 ON = fuse 1 or 2 blown	FU1/FU2 ON = fuse 1 or 2 blown FU3/FU4 ON = fuse 3 or 4 blown
Fuses (User Replaceable) T1K-FUSE-1	2 qty., (6.3A, 250V / common) NQ3-6.3 SOC Corp.	4 qty., (6.3A, 250V / common) NQ3-6.3 SOC Corp.
Weight	100g	140g

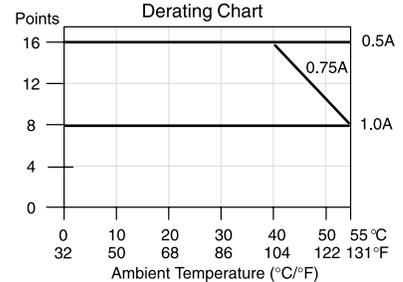
Equivalent Output Circuit



T1K-08TD2-1 Derating Chart



T1K-16TD2-1 Derating Chart



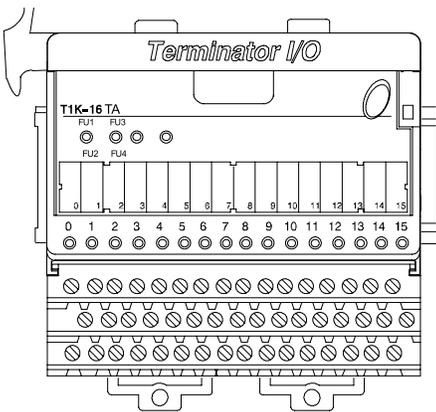
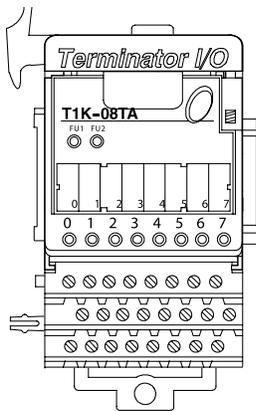
AC Output Modules

T1K-08TA \$214.00
T1K-16TA \$267.00

8-point and 16-point, AC output modules

The 8-point AC module uses a T1K-08B or T1K-08B-1 base, which is purchased separately.

The 16-point AC module uses a T1K-16B or T1K-16B-1 base, which is purchased separately.



Specifications	T1K-08TA	T1K-16TA
Outputs per Module	8	16
Commons per Module	2 (4 pts / common) isolated	4 (4 pts / common) isolated
Operating Voltage Range	17-240 VAC (47-63 Hz) min./max.	
Output Voltage Range	15-264 VAC (47-63 Hz) min./max.	
Max. Load Current	1A / pt., 4A / common (subject to derating)	
ON Voltage Drop	1.5 VAC @ > 50 mA, 4.0 VAC @ < 50 mA	
Max. Leakage Current	4 mA @ 264 VAC	
Max. Inrush Current	10A for 10 ms	
Min. Load	10 mA	
OFF to ON Response	< 1 ms	
ON to OFF Response	< 1 ms + 1/2 cycle	
Base Power Required	250 mA @ 5 VDC	450 mA @ 5 VDC
Status Indicators	Logic side	
Error Status Indications(LEDs)	FU1 ON = fuse 1 blown FU2 ON = fuse 2 blown	FU1/FU2 ON = fuse 1 or 2 blown FU3/FU4 ON = fuse 3 or 4 blown
Fuses (User Replaceable)	2, (10A, 250V / common)	4, (10A, 250V / common)
T1K-FUSE-1	5 x 20mm type	5 x 20mm type
Weight	140g	190g

Equivalent Output Circuit

