



AADvance Controller

Catalog Numbers T9110, T9300, T9310, T9401/2, T9431/2,
T9451, T9481/2



Allen-Bradley
by ROCKWELL AUTOMATION

Solutions Handbook

Original Instructions

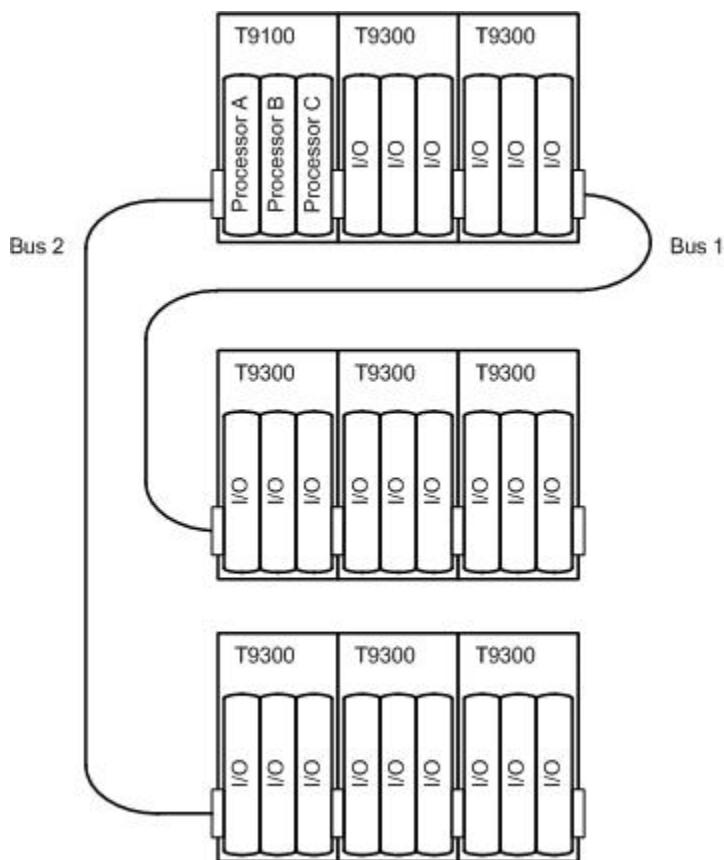
Bus Connectors and Expansion Cable

The T9100 processor base unit command and response busses and system power for I/O modules are output by the two connectors on each side of the base unit:

- The right-hand connector (specified I/O bus 1 in the project tree configuration) mates with a connector on the T9300 I/O base unit. I/O bus 1 supports a maximum of eight I/O base units and 24 I/O modules.
- The left-hand connector (specified I/O bus 2 in the project tree configuration), mates with the T9310-02 Backplane Expansion Cable, which will connect it to another T9300 I/O base unit. I/O Bus 2 supports a maximum of 8 I/O base units and has response lines for a maximum of 24 I/O modules.

The expansion cable carries module power, command busses and individual response busses for each I/O module.

Figure 26 - Expansion Cables for I/O Bus 1 & 2



Part No.	Part Description
T9882	Analogue output TA, 8 channel, dual
T9844	Frequency Input Module TA, Simplex, Active (not yet released)
T9845	Frequency Input Module TA, Dual, Active (not yet released)
T9846	Frequency Input Module TA, TMR, Active (not yet released)
T9847	Frequency Input Module TA, Simplex, Passive (not yet released)
T9848	Frequency Input Module TA, Dual, Passive (not yet released)
T9849	Frequency Input Module TA, TMR, Passive (not yet released)

Expansion Cable Assembly

Expansion cable assembly, comprising expansion cable and two adapters

Part No.	Part Description
T9310-02	Backplane expansion cable, 2 meter

Blanking Covers

Part No.	Part Description
T9191	Blanking cover (tall) for I/O positions with no TA fitted
T9193	Blanking cover (short) for I/O positions with TA or a Processor

Spares and Tools

Part No.	Part Description
T9901	Replacement input fuse 50 mA for T9801/2/3 and T9831/2/3, pack of 20 ⁽¹⁾
T9902	Replacement output fuse 10 A for T9851/2, pack of 20 ⁽²⁾
T9903	Replacement coding pegs (pack of 20)
T9904	Replacement backplane clips (pack of 20)
T9905	Replacement processor 3 V lithium cell, pack of 20 ⁽³⁾
T9906	Replacement program enable key
T9907	Installation tool kit
T9908	Fuse Extractor Tool

(1) T9901: No 396/TE5 50 mA time lag fuse; UL 248-14, 125 V, Leadfree; manufactured by Littelfuse.

(2) T9902: SMF Omni-Block, Surface Mount Fuse Block 154 010, with a 10 A, 125 V Fast Acting Fuse, Littelfuse.

(3) T9905: Polycarbon monofluoride Lithium Coin Battery, BR2032, 20 mm dia; Nominal voltage 3 V; Nominal capacity (mAh) 190; Continuous standard load (mA) 0.03; Operating temperature -30 °C to +80 °C, supplied by Panasonic.

Software

Part No.	Part Description
T9082U	IEC 61131 Workbench, USB key, single user, single controller
T9082D	IEC 61131 Workbench, hard disk key, single user, single controller
T9083U	IEC 61131 Workbench, USB key, multiple controllers
T9083D	IEC 61131 Workbench, hard disk key, multiple controllers
T9084U	IEC 61131 Workbench, 5 user USB key, multiple controllers
T9085	5 additional user licences, for use with T9084U