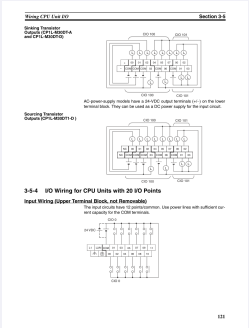
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

CP1L-M30DT-D

Thirty-point sinking transistor CPU



PRODUCT	CP1L-M30DT-D
FAMILY	CP1L-M USB CPU
FUNCTION	Thirty-point sinking transistor CPU
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Omron documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Rated supply	24 VDC
Operating supply range	20.4 to 26.4 VDC
Maximum power consumption	20 W
Built-in digital inputs	18 points, 24 VDC
Built-in digital outputs	12 sinking transistor outputs
Program capacity	10K steps

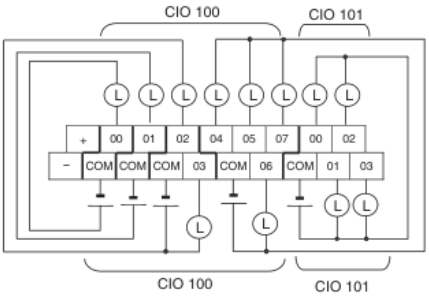
02 PREPARATION AND CONNECTION

- Back up the program, PLC Setup and retained data.
- Isolate the 24 VDC supply and connected loads.
- Mount and lock the CPU on the documented DIN rail.
- Wire the DC supply with correct polarity and protective grounding.

03

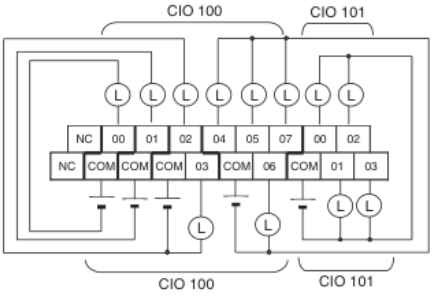
OFFICIAL INSTALLATION REFERENCE

Sinking Transistor Outputs (CP1L-M30DT-A and CP1L-M30DT-D)



AC-power-supply models have a 24-VDC output terminals (+/–) on the lower terminal block. They can be used as a DC power supply for the input circuit.

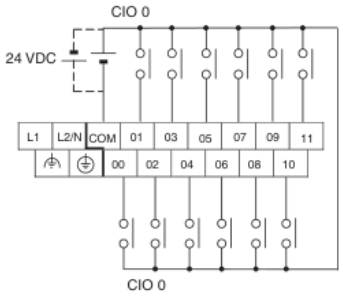
Sourcing Transistor Outputs (CP1L-M30DT1-D)



3-5-4 I/O Wiring for CPU Units with 20 I/O Points

Input Wiring (Upper Terminal Block, not Removable)

The input circuits have 12 points/common. Use power lines with sufficient current capacity for the COM terminals.



Official manufacturer page reproduced at its original aspect ratio.

04 COMMISSIONING CHECKS

01	Use the 30-point sinking-output terminal arrangement.
02	Tighten the M3 terminal screws to 0.5 N m.
03	Confirm supply within 20.4 to 26.4 VDC.
04	Verify output currents and the common grouping.
05	Restore the correct program through the USB peripheral port.
06	Test I/O, expansion addresses and configured pulse functions.

05 CONTROLLED DOCUMENT

Official source	OMRON W462 CP1L CPU Unit Operation Manual; DC power, mounting and 30-point I/O wiring sections.
Product record	CP1L-M30DT-D
Manufacturer	Omron
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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