DOCUMENT
LADV300 I/O modules datasheet
LADV-DS-MOD

PROJECT
Wartens LADV virtual PLCs
Rev 1.0

LADV300 I/O modules datasheet

Expansion modules for the LADV300 modular controllers.

Document	LADV300 I/O modules datasheet
Code	LADV-DS-MOD
Revision	1.0, 1 November 2026
Firmware	V1.0.0
Issued by	Wartens, makers of LADX

> Wartens LADV controllers are virtual PLCs that run in a web browser, for learning, for testing logic and for preparing for commissioning. They are not real time, not safety rated, and they cannot control equipment.

Modules

Module	Order number	Channels	Rating, as printed	Description
LADV-DI16	LV300-DI16D	16 DI	24 V DC	16 digital inputs, 24 V DC sinking
LADV-DO16	LV300-DO16T	16 DO	24 V DC 0.5 A	16 digital outputs, 24 V DC sourcing
LADV-AI8	LV300-AI8U	8 AI	U / I	8 analog inputs, 0 to 10 V or 4 to 20 mA
LADV-AO4	LV300-AO4U	4 AO	U / I	4 analog outputs, 0 to 10 V or 4 to 20 mA

Configuration

- Modules fit the LADV300 CPUs only: CPU 310 with 8 slots, CPU 350 with 16 slots.
- Channels add to the CPU's own, in slot order. The download checks the program's I/O against the total and names the shortfall.
- Analog channels read and write INT, 0 to 1000 for 0 to 100 percent of span, the same as the CPU's own analog channels.
- The power module, LADV-PS24, is drawn on the rack and needs no configuration.