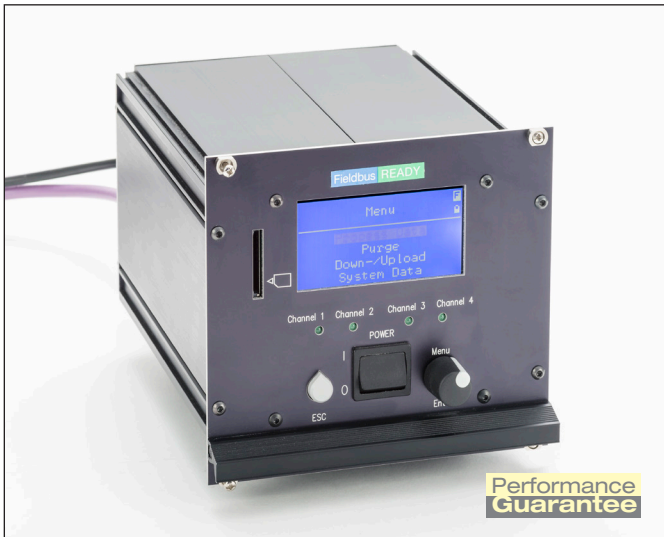


PICO® Controller 2+2-2CH-V3 (Two Channel)

PICO® Controller 2+2-4CH-V3 (Four Channel)



The PICO controller expands control of complex dispensing tasks.

Benefits

- Standard fieldbus communication capability expands the functionality of the PICO controller for complex dispensing jobs
- Convenient and centralized PC or PLC control of all parameter settings means more efficient operation
- Application results are maintained over time with a high degree of precision
- Ability to document all operating parameters and to block local changes by operators increases operational reliability
- Included CAN protocol adapts to many fieldbus protocols.



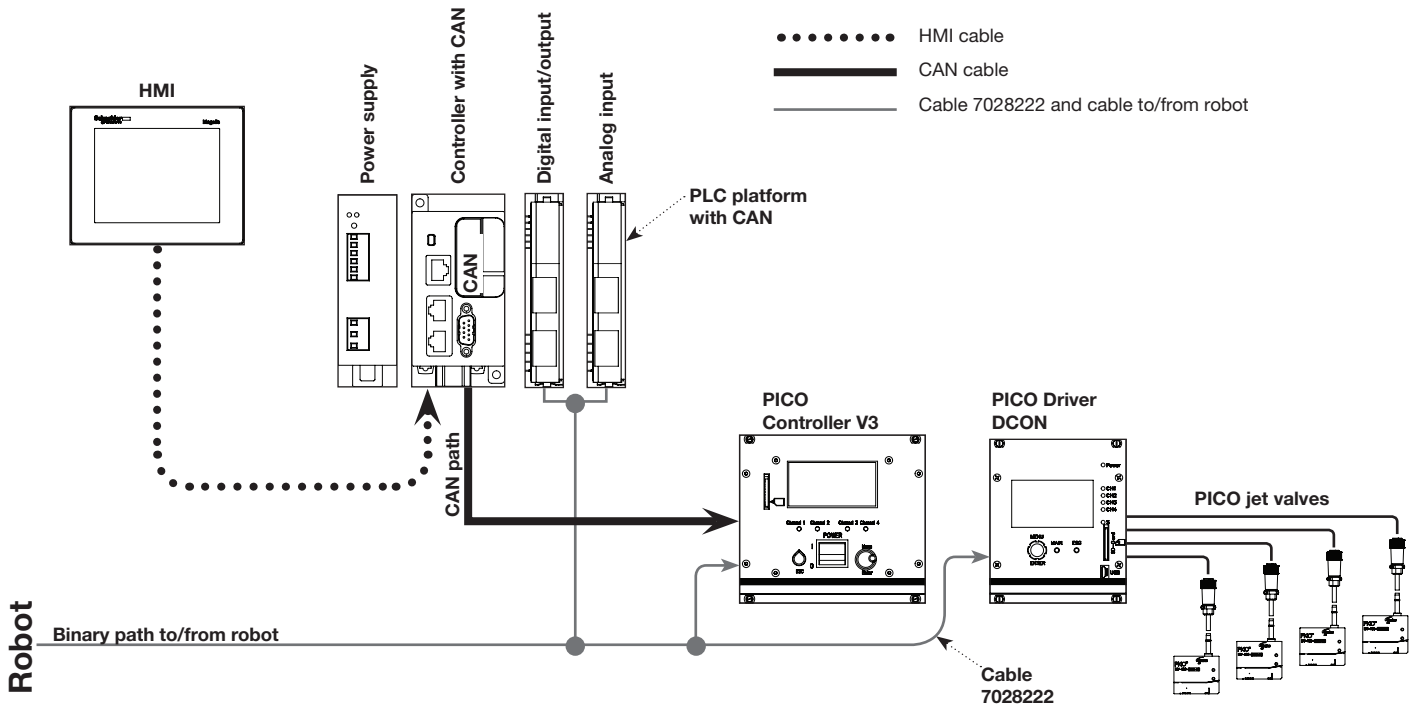
PICO dispensing system connected to PC with CAN PC card.

The PICO controller allows you to program and control complex dispensing tasks by integrating your PICO dispensing system, including the PICO Driver DCON and PICO valves, with your HMI (human machine interface), PLC (programmable logic controller), or a personal computer. The PICO controller includes the capability to communicate with higher level systems via standard fieldbus connection.

Operating parameters can be changed locally at the PICO controller, or they can be viewed, changed, and documented via PC or PLC using standard fieldbus communication. Additional features include the ability to block local changes to the PICO controller parameters, a container low-level status indication, and an emergency off input for immediate or near-term stoppage of the dispensing process.

Features

- Fieldbus standard communication capability using open CAN interface, allowing adaptation to many fieldbus protocols
- Up to 99 lines of programming are possible, with various pulse/pause times per channel
- Parameters can be changed locally at the controller, through an SD card or PC, or through a PLC/HMI
- Local parameter setting is fast using the four-language menu and one-button control
- Integrated SD card reader/writer for reading/safeguarding the dispensing parameters
- All channels work independently
- Can be integrated into a system or, with the optional housing, used as a tabletop device
- Several programming lines can be linked to a program block, allowing the execution of complex dispensing jobs with a single trigger signal
- Programmed lines and blocks can be activated using either a short trigger signal or a continuous signal through binary input or fieldbus communication



Typical installation of a PICO controller using fieldbus communication.

PICO Controller Specifications

Size	142W x 129H x 171D mm (5.6W x 5.1H x 6.7D")
Weight	1.5 kg (3.3 lb)
Supply voltage	24 VDC, +/-10%
Number of channels	Two, upgradeable to four
Ambient temperature during operation	+5 to 50 °C (41 to 122 °F)
Maximum relative ambient humidity during operation	80%
Enclosure	Plug-in cassette for 19" chassis, aluminum, anodized black (optional housing for tabletop use available)
Protection class	IP20
Inputs	<ul style="list-style-type: none"> • 10 binary trigger inputs per channel (IN1 – IN10), for bounce-free 0/24V • Binary emergency-off input per channel, 0/24V • Analog input for variable pause time per channel, 0–10V • CAN bus connection
Outputs	<ul style="list-style-type: none"> • Binary temperature status signal per channel, 0/24V • Binary error status signal per channel, 0/24V • Binary lines end status signal per channel, 0/24V • Binary device ready status signal per channel, 0/24V
Pulse/cycle times	<ul style="list-style-type: none"> • Pulse time: 0.050–9999.990 ms • Cycle time: (pulse time + 0.120 ms)-9999.990 ms OR pulse time + variable pause time • Parameter setting increment: 10 µs • Precision: better than 5 µs
Certification	CE 2004/108/EG (EC)



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