

VISION™ Series 4300

DISTRIBUTED

INTELLIGENCE FOR POWER OVER YOUR PROCESS

Model 4300-DO Digital Output Module

- ▽ **Universal Module Generates Contact Outputs for AC or DC Voltages**
- ▽ **Four Outputs per Module**
- ▽ **Configurable for Logic State or Pulse Duration Outputs**
- ▽ **Sealed, On-Board Relays**
- ▽ **Galvanically Isolated**



Model 4300-DO is a 4-channel plug-in module which generates contact outputs for AC or DC voltages. Channels can be individually configured as Logic State (open or closed), or Pulse duration outputs.

Universality of application is made possible by the unusually wide range of switchable currents and voltages. Up to 2 amps at 250V are accommodated.

Pulse duration outputs are also supported. Two levels of accuracy and resolution are available. All outputs can be configured for pulse duration between 1 second and 60 minutes with an accuracy of 1 second and resolution of 500 milliseconds. On two of the four channels, pulse outputs between 10 milliseconds and 3 seconds can be configured with an accuracy of 10 milliseconds and resolution of 1 millisecond.

Self diagnostics are provided. LED indication distinguishes between an operational, configured and functioning unit, and a non-functioning unit.

Each of the outputs can be configured to set the output to a predetermined fail-safe state in the event of communication failure.

Also refer to the following:
P/N 910000-131
P/N 910000-136

VISION™
Distributed Intelligence

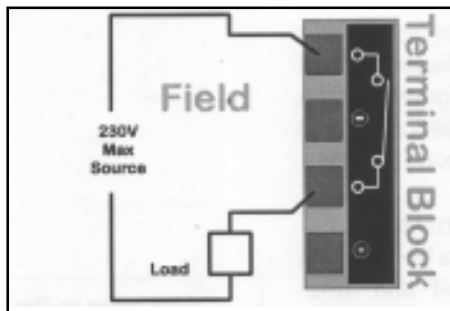
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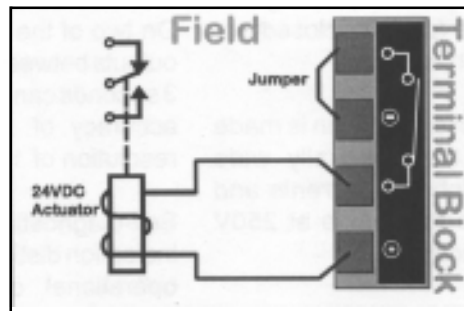
SPECIFICATIONS

Model 4300-DO

Logic State Outputs:	Normally Open Contacts	
Pulse Duration Outputs:	<u>.5 sec to 60 min</u>	<u>10msec to 3 sec</u> (2 channels only)
<i>Accuracy:</i>	1 sec	10 msec
<i>Resolution:</i>	500msec	1 msec
<i>Minimum Duration:</i>	500 msec	20 msec
<i>Repetition:</i>	Up to 1 pps	Up to 1 pps
Relays:	Gold plate on silver contacts, damp rates, sealed, on-board	
<i>Resistive Output Rating:</i>	240 VAC, 10A derated to 2A 30 VDC, 10A derated to 2A 125 VDC, 200 mA	
Expected Life:	5 x 10 ⁷ mechanical actuations 1 x 10 ⁵ @ 10A 1 x 10 ⁶ @ 2A (specified use)	
Contact Wetting:	Optional non-isolated 24V @ 24 mA typical per output	
Intermodule Communication:	Via a dedicated VLSI microprocessor Physical layer is RS-485 @ 78 Kb/sec, Multi-drop	
Transient Protection:	Survives ANS/IEEE SWC C37.90	
Environmental Protection:	Dust and water resistant, base on enclosure or housing	
Operating & Storage Temperature Range:	-40 to 85°C	
Humidity Range:	5 to 95% RH; <0.1% effect at 95% @ 40°C	
Isolation:	Output to Output: 250 VAC (working voltage) Output to Ground: 250 VAC (working voltage) Output to Logic: 1000VAC (hi pot test)	
Power:	24 VDC @ 50 mA (Exclusive of Contact Wetting)	



DO Channel - Dry Contact Output (24 VDC)



DO Channel - Wet Contact Output (24 VDC)

P/N 910000-135
Rev. 1.3/1194-4M

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