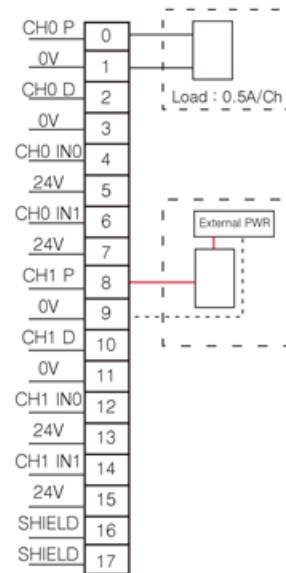
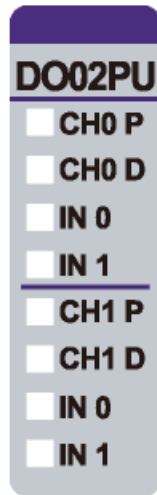


URD-02PU (DO02PU) – 2 CH Pulse Output

Items	Specification
Number of channel	2 Channels
Number of output	2 Output, Push-pull Type
Indicators	4 Green LEDs - 2 Green Pulse LEDs - 2 Green Direction LEDs
Output Voltage	24Vdc
Output Current	0.5A per channel, 2.0A per Module Operating Temperature -40°C~45°C : Max. 0.5A per channel 45°C~60°C : Max. 0.3A per channel
Pulse output frequency	1-300kHz
Pulse output duty	About 50%
Pulse Output Quantity with One Command	Continuous Pulse Output, Max.+1~-+2147483647: Pulse Direction Output OFF. Max.-1~-2147483647 : Pulse Direction Output ON.
Pulse Output Counter	Signed 32bit-wide
Function	Trapezoidal Acceleration
Protection	Short Protection
Common Type	4 Common, Field Power 0V is Common
Input Per Module	4 Point Sink Type
Indicators	4 Green Terminal Input LEDs
Input On-state Voltage	24Vdc nominal Min. 15Vdc to Max. 32Vdc
OFF-state Voltage	8.3Vdc @25°C
On-State Current	Max. 3.10mA/ point @ 32Vdc
Input Signal Delay	OFF to ON : Max. 0.3ms @24Vdc ON to OFF : Max. 0.3ms @24Vdc
Nominal Input Impedance	10.72KΩ
Power dissipation	Max. 75mA @ 5.0Vdc
Isolation	I/O to Logic : Photocoupler Isolation Field power : Non-Isolation
Field Power	Supply Voltage : 24Vdc nominal Voltage Range : 15~32Vdc Power Dissipation : Max. 45mA @ 24Vdc Except Load
Wiring	I/O Cable Max. 2.0mm ² (AWG 14)
Weight	63g
Module Size	12mm x 109mm x 70mm
Operating temperature	-40°C to 60°C (-40°F to 140°F)

1. Wiring Diagram



Pin No.	Signal Description	Pin No.	Signal Description
0	Pulse Output Channel #0	9	Field Power 0V, Common
1	Field Power 0V, Common	10	Direction Output Channel #1
2	Direction Output Channel #0	11	Field Power 0V, Common
3	Field Power 0V, Common	12	Emergency Stop Input Channel #1
4	Emergency Stop Input Channel #0	13	Field Power 24V, Common
5	Field Power 24V, Common	14	Digital Input Channel #1
6	Digital Input Channel #0	15	Field Power 24V, Common
7	Field Power 24V, Common	16	Shield
8	Pulse Output Channel #1	17	Shield

2. LED Indicators

LED No.	LED Function / Description	LED Color
0	Pulse Output Channel #0	Green
1	Direction Output Channel #0	Green
2	Emergency Stop Input #0	Green
3	Digital Input Channel #0	Green
4	Pulse Output Channel #1	Green
5	Direction Output Channel #1	Green
6	Emergency Stop Input #1	Green
7	Digital Input Channel #1	Green

Status	LED	Indication
No Signal	Off	Normal Operation
On Signal	Green	Normal Operation