



2.2-2. Analog Output

Analog Output Module (General Grade)					
Model Name	I-7021		I-7021P	I-7022	I-7024
				M-7022	M-7024
Pictures					
Channel	1			2	4
Wiring	Unipolar			Unipolar	Bipolar/Unipolar
Range	0 ~ 10 V, 0 ~ 20 mA, 4 ~ 20 mA			0 ~ 10 V, 0 ~ 20 mA, 4 ~ 20 mA	0 ~ 5 V, +/- 5 V, 0 ~ 10 V, +/- 10 V, 0 ~ 20 mA, 4 ~ 20 mA
Resolution	12-bit		16-bit	12-bit	14-bit
Accuracy	0.1%		0.02%	0.1%	0.1%
DA Output Response Time	10 ms			10 ms	10 ms
Open Wire Detection (for current only)	Yes			Yes	-
Channel to Channel Isolation	-			Yes	-
Power-on Value	Yes			Yes	Yes
Safe Value	Yes			Yes	Yes
Digital Input					
Channel	-			-	
Contact	-			-	
Sink/Source (NPN/PNP)	-			-	
On Voltage Level	-			-	
Off Voltage Level	-			-	
Counter (50 Hz, 16-bit)	-			-	
Input Impedance	-			-	
Overvoltage Protection	-			-	
System					
Dual Watchdog	Yes			Yes	
ESD (IEC 61000-4-2)	+/-2 kV			+/-2 kV	
EFT (IEC 61000-4-4)	-			-	
RS (IEC 61000-4-3)	-			-	
Intra-Module Isolation, Field-to-Logic	3000 V _{DC}			3000 V _{DC}	
Power Input	10 ~ 30 V _{DC}				
Power Consumption	1.8 W	1.8 W	3.0 W	2.4 W	

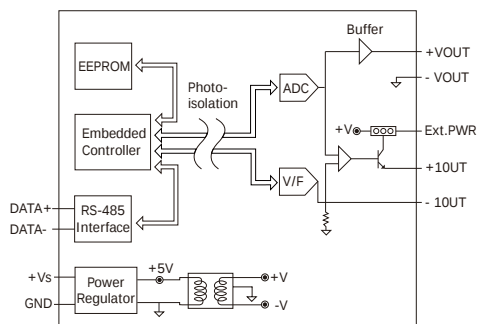
Analog Output Module (Industrial Grade)	
Model Name	I-7024R
Pictures	
Channel	4
Wiring	Bipolar/Unipolar
Range	0 ~ 5 V, +/- 5 V, 0 ~ 10 V, +/- 10 V, 0 ~ 20 mA, 4 ~ 20 mA
Resolution	14-bit
Accuracy	0.1%
DA Output Response Time	10 ms
Open Wire Detection (for current only)	-
Channel to Channel Isolation	-
Power-on Value	Yes
Safe Value	Yes
Digital Input	
Channel	5
Contact	Dry
Sink/Source (NPN/PNP)	Source
On Voltage Level	Close to GND
Off Voltage Level	Open
Counter (50 Hz, 16-bit)	Yes
Input Impedance	100 KΩ
Overvoltage Protection	+/-30 V _{oc}
System	
Dual Watchdog	Yes
ESD (IEC 61000-4-2)	+/-4 kV
EFT (IEC 61000-4-4)	+/-4 kV
RS (IEC 61000-4-3)	5 V/m, 80 MHz ~ 1 GHz
Intra-Module Isolation, Field-to-Logic	3000 V _{oc}
Power Input	10 ~ 30 V _{oc}
Power Consumption	3.2 W



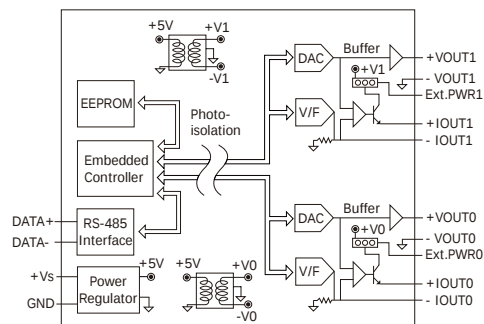
RS-485 Remote I/O Modules

Internal I/O Structure

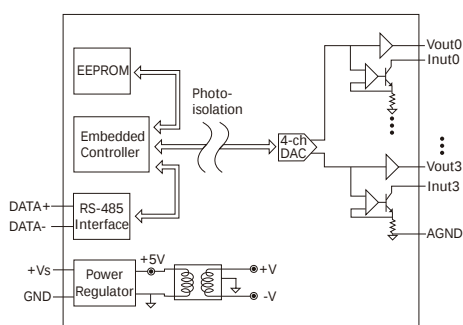
I-7021/I-7021P



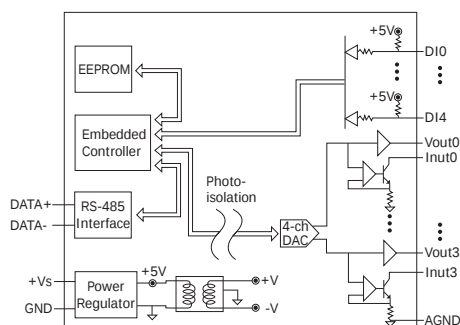
I-7022/M-7022



I-7024/M-7024

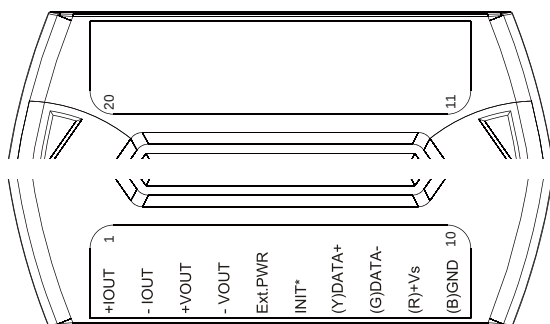


I-7024R

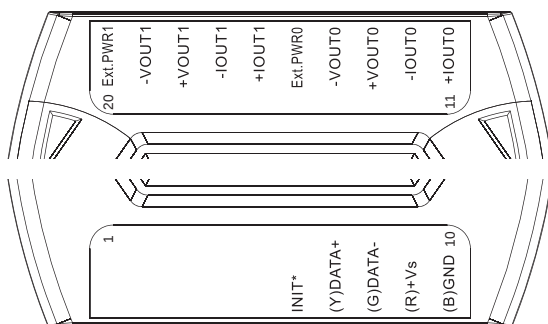


Pin Assignments

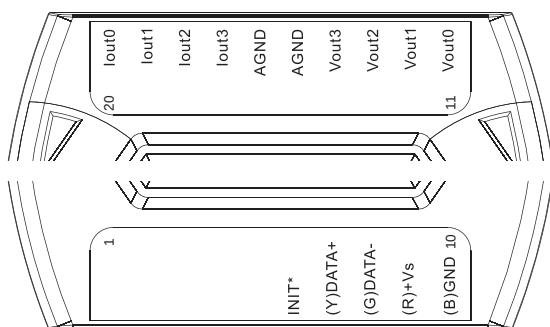
I-7021/I-7021P



I-7022/M-7022



I-7024/M-7024



I-7024R

