



I-7066

I-7066D

7-channel Photo-Mos Relay Output Module

Features

- 7 Form A Power Relay
- Fast Response Time
- Unlimited Life Time for relays
- 4 kV ESD Protection
- 5000 V_{rms} Intra-Module Isolation
- Configurable Power-on Value Settings
- Configurable Safe Value Settings
- Dual Watchdog
- Wide Operating Temperature Range: -25 ~ +75°C



Introduction

The I-7066 features 7-channel Form A PhotoMOS relay outputs. Unlike electromechanical relays, PhotoMOS relays have faster response time and nearly unlimited life time. I-7066D also has 7 LED indicators for PhotoMOS relay output status monitoring. 5000 V_{rms} intra-module isolation are standard.

Applications

Building Automation, Factory Automation, Machine Automation, Remote Maintenance, Remote Diagnosis, Testing Equipment.

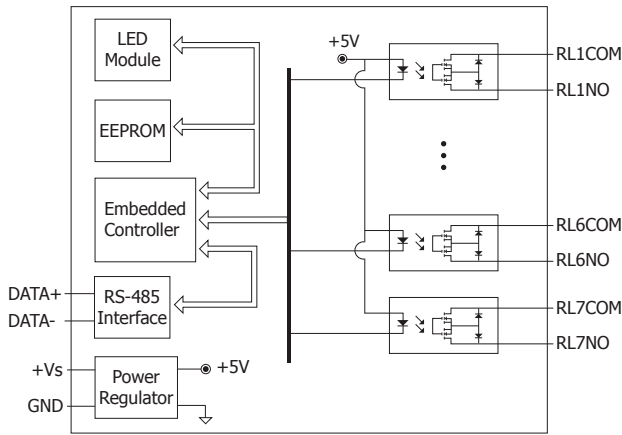
System Specifications

Models	I-7066	I-7066D
Communication		
Interface	RS-485	
Format	(N, 8, 1) (N, 8, 2) (E, 8, 1) (O, 8, 1)	
Baud Rate	1200 ~ 115200 bps	
Protocol	DCON	
Dual Watchdog	Yes, Module (1.6 Seconds), Communication (Programmable)	
LED Indicator/Display		
System LED Indicator	Yes, 1 LED as Power/Communication Indicator	
I/O LED Indicator	-	Yes
7-Segment LED Display	-	
Isolation		
Intra-Module Isolation, Field-to-Logic	5000 V _{rms}	
EMS Protection		
ESD (IEC 61000-4-2)	+/-2 kV	
EFT (IEC 61000-4-4)	+/-2 kV	
Power		
Reverse Polarity Protection	Yes	
Input Range	10 ~ 30 V _{oc}	
Consumption	0.5 W	0.8 W
Mechanical		
Dimensions (W x L x H)	72 mm x 123 mm x 35 mm	
Installation	DIN-Rail or Wall Mounting	
Environment		
Operating Temperature	-25 ~ +75°C	
Storage Temperature	-40 ~ +85°C	
Humidity	10 ~ 95% RH, Non-condensing	

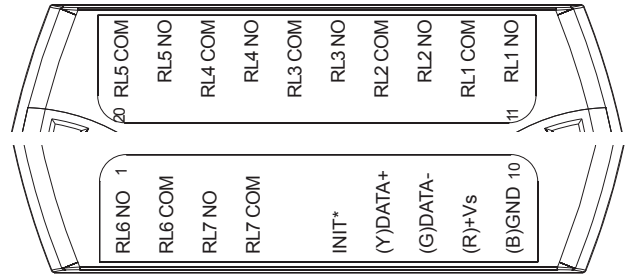
I/O Specifications

Models	I-7066	I-7066D
Relay Output		
Channels	7	
Type	PhotoMOS Relay (Form A)	
Operating Voltage Range	350 V _{ac} or 350 V _{dc}	
Max. Load Current	0.13 A	
Operate Time	0.7 ms	
Release Time	0.05 ms	
Electrical Endurance	Long Life and No Spike	
Power-on Value	Yes	
Safe Value	Yes	

Internal I/O Structure



Pin Assignments



Wire Connections

Relay Output	ON State Readback as 1	OFF State Readback as 0
Relay Output		

Ordering Information

I-7066 CR	7-channel Photo-Mos Relay Output Module with DCON Protocol (Blue Cover) (RoHS)
I-7066D CR	I-7066 with LED Display (Blue Cover) (RoHS)

Accessories

	tM-7520U CR	RS-232 to RS-485 converter (RoHS)
	tM-7561 CR	USB to RS-485 converter (RoHS)
	tM-SG4 CR	RS-485 Pull-high/Pull-low and Termination Resistor Module (RoHS)
	I-7514U CR	4-channel RS-485 Hub (RoHS)
	SG-770 CR	7 channel differential or 14 channel single-ended surge protector (RoHS)
	SG-3000 series	Signal Conditioning Modules for Thermocouple, RTD, DC Voltage, DC Current and Power Inputs