

XV111/XV111A

16-channel Isolated Digital Output Module

Features

- XV111
 - Sink-type Digital Output
- XV111A
 - Source-type Digital Output
- Configurable Power-on Value Settings
- Overvoltage Protection for Digital Output
- Short-circuit Protection for Digital Output



Introduction

The XV111 provides 16 channels for digital output, each of which features photocouple isolation. The XV111 supports sink-type output with short circuit protection and provides options for configuring power-on digital output values. 4 kV ESD protection and 3750 VDC intra-module isolation are also provided. The XV111A has the same specifications as the XV111, except that the output types are reversed.

Pin Assignments

DO.GND	DO.PWR	DO15	DO14	DO13	DO12	DO11	DO10	DO9	DO8	DO7	DO6	DO5	DO4	DO3	DO2	DO1	DO0
XV111 / XV111A																	

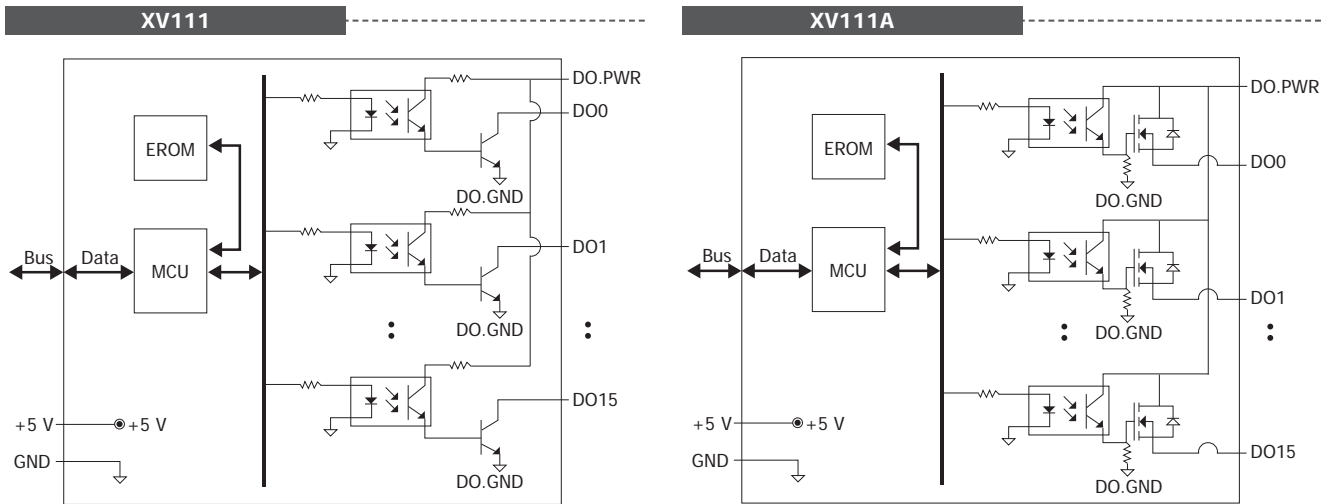
System Specifications

Model	XV111	XV111A
Communication		
Interface	RS-232/TTL	
Format	N, 8, 1	
Baud Rate	115200 bps	
Protocol	Modbus/RTU	
Isolation		
Intra-module Isolation, Field-to-Logic	3750 VDC	
EMS Protection		
ESD (IEC 61000-4-2)	±4 kV Contact For Each Terminal	
	±8 kV Air For Random Terminal	
Powered from Terminal Block	5 VDC	
Consumption	0.2 W Max.	0.8 W Max.
Mechanical		
Dimensions (W x L x H)	59 mm x 82 mm x 13 mm	
Environment		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-30 ~ +80 °C	
Humidity	10 ~ 90% RH, Non-condensing	

I/O Specifications

Model	XV111	XV111A
Digital Output		
Output Channels	16	
Type	Sink	Source
Max. Load Current	600 mA/channel	
Load Voltage	3.5 ~ 50 VDC	10 ~ 40 VDC
Overvoltage Protection	60 VDC	47 VDC
Overload Protection	Yes	
Short-circuit Protection	Yes	
Power-on Value	Yes, Programmable	

Internal I/O Structure



Wire Connections

XV111		
Output Type	Readback as 1	Readback as 0
Drive Relay		
Resistance Load		
XV111A		
Output Type	Readback as 1	Readback as 0
Drive Relay		
Resistance Load		

Ordering Information

XV111 CR	16-channel Isolated Sink-type Digital Output Module (RoHS)
XV111A CR	16-channel Isolated Source-type Digital Output Module (RoHS)