

## 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																	

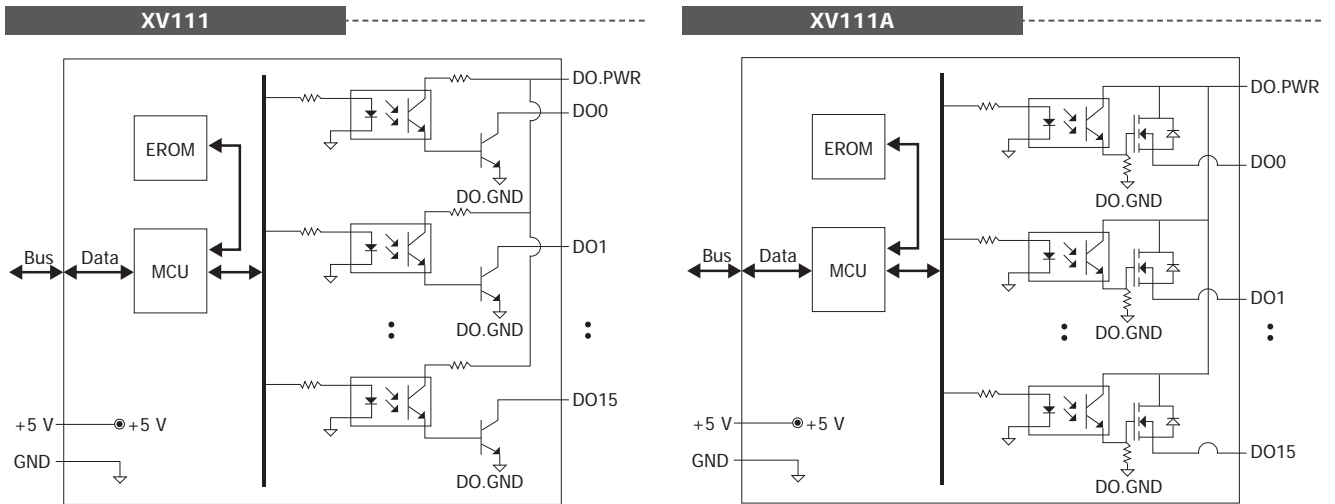
### System Specifications

Model	XV111	XV111A
<b>Communication</b>		
Interface	RS-232/TTL	
Format	N, 8, 1	
Baud Rate	115200 bps	
Protocol	Modbus/RTU	
<b>Isolation</b>		
Intra-module Isolation, Field-to-Logic	3750 VDC	
<b>EMS Protection</b>		
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.
<b>Mechanical</b>		
Dimensions (W x L x H)	59 mm x 82 mm x 13 mm	
<b>Environment</b>		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-30 ~ +80 °C	
Humidity	10 ~ 95% RH, Non-condensing	

### I/O Specifications

Model	XV111	XV111A
<b>Digital Output</b>		
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

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