XV111A
16-ch Isolated DO (10 ~ 40VDC) Expansion Board

Features

- Source-type Digital Output
- Configurable Power-on Value Settings
- Overvoltage Protection for Digital Output
- Short-circuit Protection for Digital Output
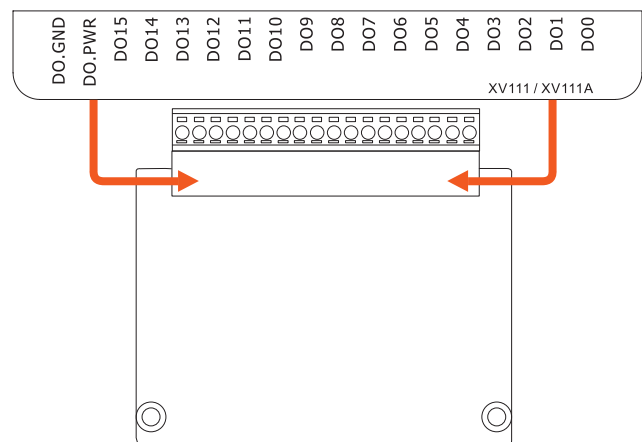
CE   FC   RoHS

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.
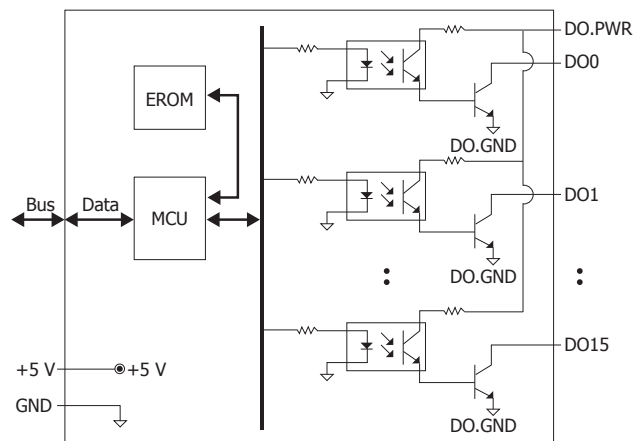
Specifications

Isolation	
Intra-module Isolation	3750 VDC
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact For Each Terminal
	±8 kV Air For Random Terminal
Digital Output	
Channels	16
Type	Source
Load Voltage	10 ~40 VDC
Max. Load Current	600 mA/channel
Overvoltage Protection	47 VDC
Overload Protection	Yes
Short-Circuit Protection	Yes
Power on Value	Yes, Programmable
COM Ports	
Ports	1 x RS-232
Baud Rate	115200 bps
Data Format	N, 8, 1
Protocol	Modbus/RTU
Power	
Consumption	0.8 W Max.
Powered from Terminal Block	5 VDC
Mechanical	
Dimensions (mm)	59 mm x 82 mm x 13 mm (W x L x H)
Mechanical	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 90% RH, Non-condensing

Pin Assignments

XV111 / XV111A

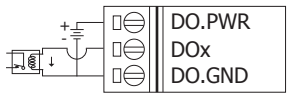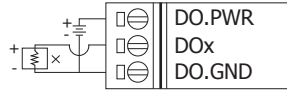Pins: DO.GND, DO.PWR, DO15, DO14, DO13, DO12, DO11, DO10, DO9, DO8, DO7, DO6, DO5, DO4, DO3, DO2, DO1, DO0
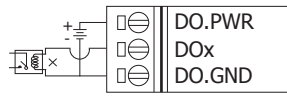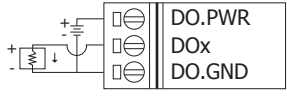
Internal I/O Structure

Wire Connections

Output Type	Readback as 1	Readback as 0
Drive Relay	DO.PWR DOx DO.GND	DO.PWR DOx DO.GND
Resistance Load	DO.PWR DOx DO.GND	DO.PWR DOx DO.GND

Ordering Information

XV111A CR	16-ch Isolated DO (Source, PNP, 10 ~ 40 VDC) Expansion Board (RoHS)