

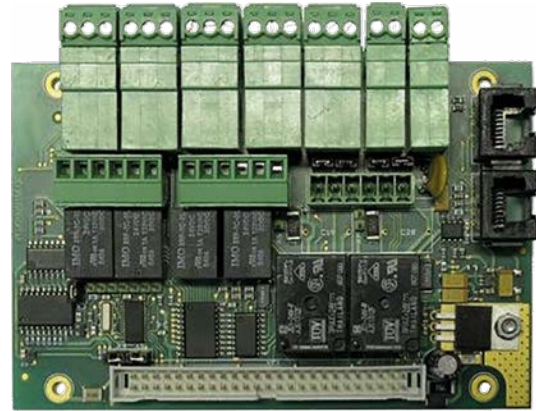
EXTENDED ALARM BOARD

BOARD

ACX Advanced Controller

Introduction

The Extended Alarm Board is used for wiring of alarm outputs and signal connections from the ACX Advanced controller. Separate from the Standard Alarm Board, it offers 6 extra alarm outputs. It is usually located on the right side of system PBDU and has dimensions of 4.25" (108mm) x 3.15" (80mm).



ORDERING PART NUMBER

1-157758C

Connections

Pin	Function
XC2, XC3	12 analog inputs are used for battery symmetry measurements or as Multi Purposes. Maximum input voltage 100 VDC.
XC4 *	2 inputs for temperature sensor measurement. Temperature sensor 1 measures the Battery temperature while the controller adjusts the float / charge voltage according to the temperature compensation factor set in the controller. Temperature sensor 2 measures the ambient temperature around the system.
XC5, XC6	There are 4 potential free alarm contacts available (Alarm relay 1 - Alarm relay 4). Alarm connections are Form C relays and can be monitored either Normally Closed (NC) or Normally Open (NO). When the power is OFF, NC is closed and when the power is ON, the NC is open.
XC7	Pin connector XC7 provides 2 digital inputs (Logic 0 < 8 V, Logic 1 > 10 V) and 5 VDC output.
XC8	Pin connector XC8 provides 2 digital outputs and System voltage output.
XC9, XC10	Additional 4 potential free alarm contacts available (Alarm relay 5 - Alarm relay 8). Alarm connections are Form C relays and can be monitored either Normally Closed (NC) or Normally Open (NO).
XC11	Depending on Configuration file setup and jumper setting, it can be used either as additional 2 potential free alarm contacts or as PLD 2 controls.
XC12, XC13	RS485 communications.

* NOTE: Temperature compensation factor is set only for temperature sensor 1

