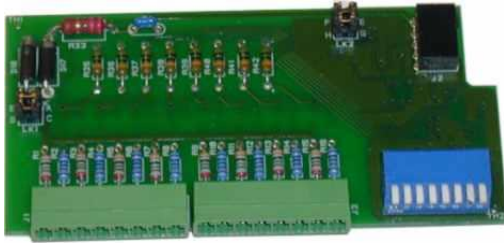




Omni8C/16C Std Input Board

Model C1171/3 8 Channel Std Potential Free Input Board for Omni8C or Omni16C .

DATASHEET



Isolated Input Board

FEATURES

- 8 Input channels
- Potential Free Input
- Supports 24 V common or 0 V common Inputs
- DIP switch Sense Selection
- Detachable Two Part Terminals

The STD Input board may be ordered as a spare for existing Omni8C or 16C annunciators; use order code C1171. This board is supplied standard with every Omni8C or 16C as the default option in 24 V common. Terminal boards are specified in the Annunciator options and fitted before leaving the factory.

The Input board accepts Potential Free contacts and supplies a 24Vdc wetting potential to the field contacts being monitored. It uses a 24V (positive) common which prevents field shorts from affecting other inputs on the same board. However, the board can accept field potentials of 24V in either common positive or common negative forms. These are options to be specified at order time. All units are by default 24V positive) common.

The input sense selection (Normally open or closed) is set via DIP switch and inputs are connected via two part terminals which allows disconnection of the module leaving the terminals on the wiring.

To order a common negative board separately as a spare part, use Order Code C1173.

To order this (common negative) input board as a factory-fitted option to a new Omni8/16C, add -1 to the end of the main order code.

Example:

To order a new Omni16C fitted with these (common negative) inputs (two boards of eight inputs each required for an Omni16C), order as follows:
C148X-1

SPECIFICATIONS

Alarm Inputs - Potential Free Contact

Input Board Option <i>As fitted to Annunciator</i>	C148X-0	C148X-1
<i>As spare part</i>	C1171	C1173
Input Type	Common +ve **	Common -ve
	** Standard Option	On Request
Quantity and Type	16 Potential Free Contacts	
Max. Open cct Voltage	28 Vdc	
Max. Closed cct Current	5 mA per input circuit	
Max. Loop Resistance to detect closed contact	200 ohms	
Min. Loop Resistance to detect open contact	100 kohms	

Temperature Range

Operating Temperature	0 °C – 60 °C (+32 °F – 140 °F) Humidity up to 90% RH, non condensing is recommended
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Storage Temperature	-10 °C – 70 °C (+14 °F – 158 °F) Humidity less than 40% RH recommended
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Inputs General

Input Scan Rate	4 milliseconds
Wire size	1.5 mm ² (17 SWG/15.5 SWG) max.
Connections	Via plug-in Terminals

Ordering Information

Model Number	Description
C148X-0	24 V Common Positive Input Boards as fitted to an Omni16C Annunciator
C148X-1	Negative Common Input Boards as fitted to an Omni16C Annunciator
C1171	8 Channel Input Board 24 V Common Positive
C1173	8 Channel Input Board 0 V Common Negative



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ELECTRICAL CONNECTION

