



Omni-16c ISO 90-150Vac/dc Input Board

Model C1170 8 Channel ISO Input Board 90-150Vac/dc for Omni-8C or Omni-16C .

DATASHEET



Iso Input Board

FEATURES

- 8 Inputs individually isolated to 500Vrms
- Field to Logic Isolation of 1500Vrms
- Wide 90-150Vac/dc Input operating range
- Plug-in Terminals for easy maintenance

This Omni16C input board is designed for use in applications where the input source voltage is supplied external to the Omni16C. This module provides 1500Vac input to logic isolation and 500Vac inter channel isolation.

This input module should be used in applications where the Omni16C inputs need to be connected directly to electrical circuits such as ac powered contactors or relays, relay logic or interlocks etc. powered by 110Vac/dc. This allows the annunciator to be integrated into applications without the use of interposing relays.

The input sense selection (state of the input on/off for an alarm condition) is set via "DIP" switch and inputs are connected via plug-in terminals that allow easy disconnection of the module without disturbing the wiring.

Individually isolated inputs allow each input to be used in a different electrical circuit such as found in motor control circuits.

These boards should only be fitted by Omniflex trained service personnel.

To order this input board separately as a spare part or for fitting to an existing Omni8/16C alarm annunciator use Order Code C1170

To order this input board as a factory-fitted option to a new Omni16C use Order Code C1170-ADDER.

Example:

To order a new Omni16C fitted with these inputs (two boards of eight inputs each required for an Omni16C) order as follows:

Item 1. C1480 Annunciator Qty 1

Item 2. C1470-ADDER Qty 2

The Adder option instructs the factory to fit these terminal boards to the annunciator.

SPECIFICATIONS

Alarm Inputs – Individually Isolated

Quantity and Type	8 inputs with external sourced ac/dc voltage
Input Voltage range	90 to 150Vac/dc nominal operating voltage (input on)
Isolation Input to Logic	1500V ac rms
Isolation Input to Input	500V ac rms
Compliance to standards	
Safety	IEC950
EMC	EN50081-2; EN50082-2

Switching Parameters (measured at 25 °C)

Input On	U>88Vac rms or U>50Vdc
Input Off	U<25Vac rms or U<35Vdc

Input Current	1,2mA at 110Vac
---------------	-----------------

Inputs General

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

Ordering Information

Model Number	Description
C1170	8 Channel Isolated Input Board 90-150Vac supplied as a spare part.
C1170-ADDER	Special order code when specifying the C1170 input module to be fitted to a new Omni8/16C.



Omni-16c ISO 90-150Vac/dc Input Board

Model C1170 8 Channel ISO Input Board 90-150Vac/dc for Omni-8C or Omni-16C .

ELECTRICAL CONNECTION

