

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

Storage Temperature -10 °C - 70 °C (+14 °F - 158 °F)

SPECIFICATIONS

Alarm Inputs - Potential Free Contact				
Input Board Option As fitted to Annunciator	C148X-0	C148X-1		
As spare part	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 Humidity up to 90% is recommended			

Ciolago Fomporata.	Humidity less than 40% RH recommended			
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

	Field	Α		Input Card as fitted to Slot A of Omni8/16C
လ		16	8A	
5		15	8B	IP8
Ē		14	7A	ID7
=		13	7B	IP7
Ċ		12	6A	IDe
Ĭ		11	6B	IP6
6		10	5A	IP5
Ö		9	5B	1175
Ш		8	4A	IP4
2		7	4B	164
بَ	<u> </u>	6	3A	IP3
ĭ		5	3B	11.2
8 POTENTIAL FREE CONTACT INPUTS		4	2A	IP2
Ë		3	2B	11. 2
РС		2	1A	IP1
∞		1	1B	11 1
		В		Input Card as fitted to Slot B of Omni8/16C
တ		B] 16A	Slot B of Omni8/16C
UTS		B 16 15	16A 16B	-
NPUTS		16	4	Slot B of Omni8/16C
T INPUTS		16 15	16B	Slot B of Omni8/16C
ACT INPUTS		16 15 14	16B 15A	Slot B of Omni8/16C IP16 IP15
JTACT INPUTS		16 15 14 13	16B 15A 15B	Slot B of Omni8/16C
ONTACT INPUTS		16 15 14 13 12	16B 15A 15B 14A	Slot B of Omni8/16C IP16 IP15 IP14
CONTACT INPUTS		16 15 14 13 12 11	16B 15A 15B 14A 14B	Slot B of Omni8/16C IP16 IP15
EE CONTACT INPUTS		16 15 14 13 12 11 10	16B 15A 15B 14A 14B 13A	Slot B of Omni8/16C IP16 IP15 IP14 IP13
FREE CONTACT INPUTS		16 15 14 13 12 11 10 9	16B 15A 15B 14A 14B 13A 13B	Slot B of Omni8/16C IP16 IP15 IP14
L FREE CONTACT INPUTS		16 15 14 13 12 11 10 9	16B 15A 15B 14A 14B 13A 13B 12A	Slot B of Omni8/16C IP16 IP15 IP14 IP13 IP12
		16 15 14 13 12 11 10 9 8 7	16B 15A 15B 14A 14B 13A 13B 12A 12B	Slot B of Omni8/16C IP16 IP15 IP14 IP13
		16 15 14 13 12 11 10 9 8 7 6 5	16B 15A 15B 14A 14B 13A 13B 12A 12B 11A	Slot B of Omni8/16C IP16 IP15 IP14 IP13 IP12 IP11
		16 15 14 13 12 11 10 9 8 7 6 5 4 3	16B 15A 15B 14A 14B 13A 13B 12A 12B 11A	Slot B of Omni8/16C IP16 IP15 IP14 IP13 IP12
8 POTENTIAL FREE CONTACT INPUTS		16 15 14 13 12 11 10 9 8 7 6 5	16B 15A 15B 14A 14B 13A 13B 12A 12B 11A 11B	Slot B of Omni8/16C IP16 IP15 IP14 IP13 IP12 IP11

