

## SPECIFICATIONS

### Inputs

Model No. (Order No.)	M1322	M1323
Item	16 DI 24	16 DI 48
Nominal weight	24 V dc	48 V dc
Input range	9 V dc to 30 V dc	30 V dc to 60 V dc
Wetting current	1,5 mA to 0,8 mA	1,5 mA to 4,0 mA
Off current	0 mA to 0,3 mA	0 mA to 0,3 mA
Off voltage	0 V to 4,5 V	0 V to 9,0 V

Number of inputs : 16

Type : Opto-coupler with isolation voltage of 1500 *Vrms* (minimum)

Isolation : 1 500 V ac, 50/60 Hz for 1 minute (between field and bus)

Response time : 15 ms

Insulation resistance : 1 000 M $\Omega$  (minimum) at 500 V dc (between field and bus)

Wire gauge : 2,0 mm<sup>2</sup> (maximum)#

# For manageable cabling to the module, a conductor size of up to 0,5 mm<sup>2</sup>, with a maximum overall diameter of 2 mm, is recommended.

### Power Consumption (from base)

Voltage : 5 V dc  $\pm$  5%

Current : 80 mA (maximum)

### Indicators (LEDs)

16 x I/P (Input) (Green) : LED ON = Contact closed

### Identification Codes

Scan code : (M1322) 6  
: (M1323) 6

Module ID : (M1322) 2  
: (M1323) 18

### Environment

Operating temperature : -25 °C to +60 °C (-13 °F to + 140 °F)

Storage temperature : -40 °C to +70 °C (-40 °F to +158 °F)

Relative humidity : 95% at 40 °C (104 °F) (non-condensing)

### Mass

Including packaging : 360 g (12,7 oz)

Excluding packaging : 270 g (9,52 oz)

### Ordering Information

Order code : Refer to 'Inputs' above



## Installation Guide

### Maxiflex 1000 Series 16 DI 24 & 16 DI 48 Digital Input Module

Model Nos. M1322, M1323

### General Description

This document covers two modules: M1322 and M1323.

*Table 1: Description of modules*

Model No.	Item	Nominal Input	Input Range
M1322	16 DI 24	24 V dc	9 V dc to 30 V dc
M1323	16 DI 48	48 V dc	30 V dc to 60 V dc

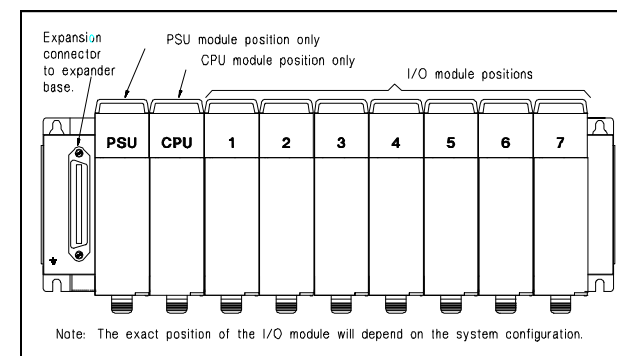
The M1322 and M1323 16 DI modules accept 16 digital inputs with either positive or negative common. Two isolated commons are provided. The input status of each contact is displayed on a 4 x 4 LED matrix on the front of the modules. The module can be inserted or removed while the system is live.

A 16-bit data word is read by the Maxiflex CPU from the module where each bit corresponds to one input. A logic '1' corresponds to a closed input. A scan and module ID is used by the CPU for addressing and diagnostics. If the module is removed or becomes faulty, this status will be detected by the CPU immediately, and can be read via the network.

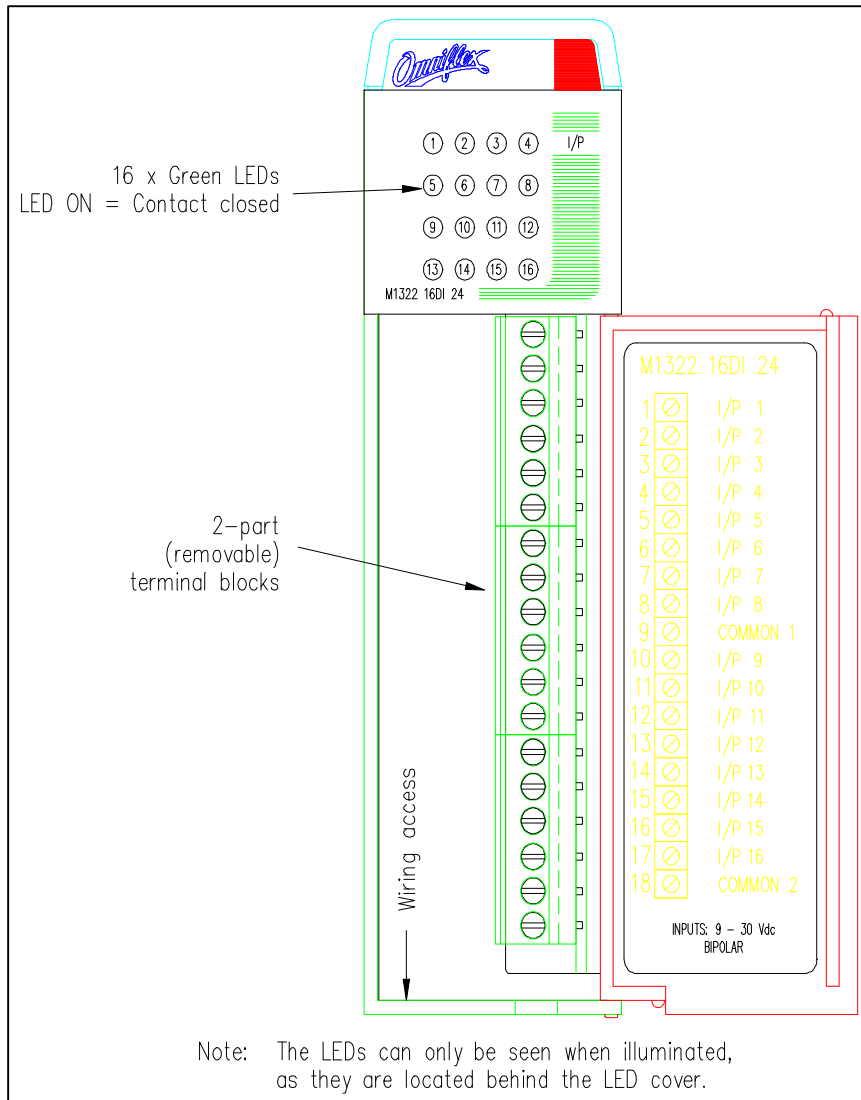
### Module Positioning

The M1322 and M1323 must be inserted in one of the I/O positions of the Maxiflex base. Refer to the Maxiflex Bases General Instructions (P/N 98-8952-930-00X) for more detail on base layout, module insertion and module removal.

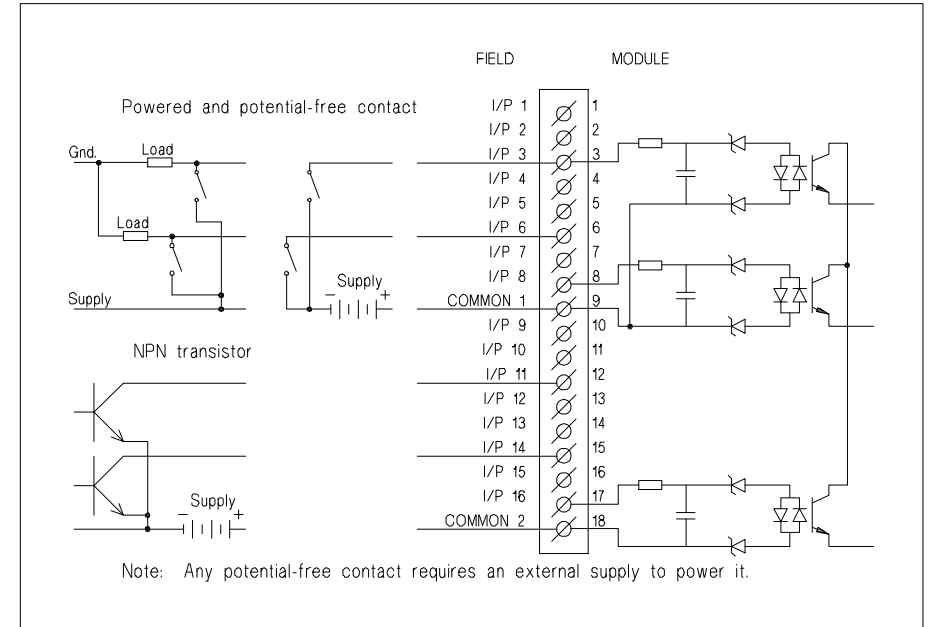
*Figure 1: Layout of the 7 I/O Master Base*



**Figure 2: Layout of the M1322**



**Figure 3: Electrical connection - positive common**



**Figure 4: Electrical connection - negative common**

