

DIM16-24V 16 WAY DIGITAL INPUT MODULE



The DIM16-24V digital input module has a three tier spring clamp terminal block. The top row has the 16 active high inputs (A0 to A15) plus two fuse blown (FB) active high output terminals. The middle row has two fused groups of eight 24V supply outputs plus two 24V supply input terminals. And the bottom row has 18 0V supply terminals.

Each input has a green LED to indicate a high state on that input.

The FB output will go high if any of the fuses go open circuit. The FB output is active high PNP open collector and can be paralleled between multiple modules. There are two red LEDs which indicate the adjacent fuse is open circuit.

Output from the DIM16-24V input module is via a 20 way ribbon cable connector.

Order code:

DIM16-24V 16 way digital input module.

DIM16-NL-24V 16 way digital input module, without LEDs

Specifications

Inputs		<ul style="list-style-type: none"> : 16 active high inputs : load approx. 18k Ohm with LED fitted (1.3mA at 24Vdc LED current) : nominal working voltage 10 to 36V DC
		Note the maximum input voltage is determined by the connected PLC
Supply Input		: 24V DC to supply external devices
Temperature	Operating	: -10°C to +60°C
	Storage	: -20°C to +70°C
EMC Compliance		: AS/NZS 61000.6.3:2012
Housing		DIN rail mounted polyamide, flame retardant UL 94 V0.
		: 35mm DIN rail mounted
		: Total weight with 325gms
Terminals		Screwless spring clamp terminal block. Spring steel clamp, tin plated copper alloy terminal
		: up to 2.5mm ² conductor
		: wire stripping 9mm max.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
FB	A0	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	FB
24V	24Va	24Va	24Va	24Va	24Va	24Va	24Va	24Va	24Va	24Vb	24Vb	24Vb	24Vb	24Vb	24Vb	24Vb	24V
0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V

Inputs row, active high
FB blown fuse output, active high

2 x fused banks of 8 24V supplies
24V supply input

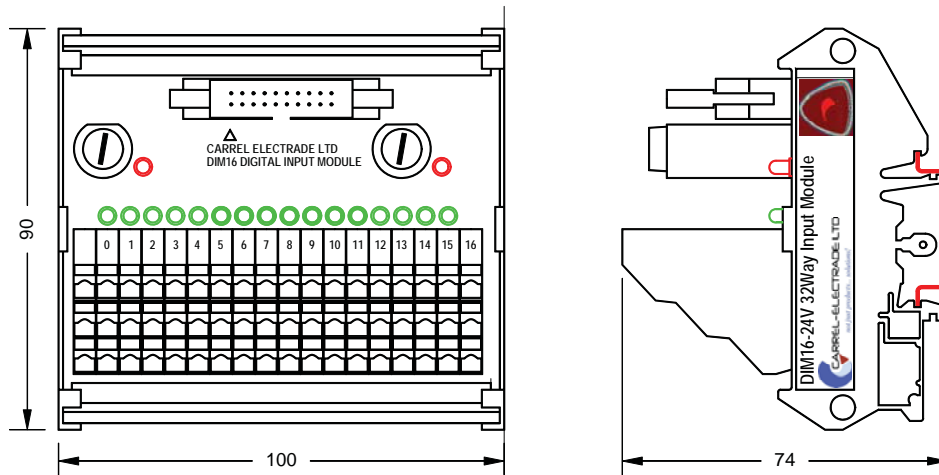
0V common row
0V supply input

CARREL ELECTRADE LTD

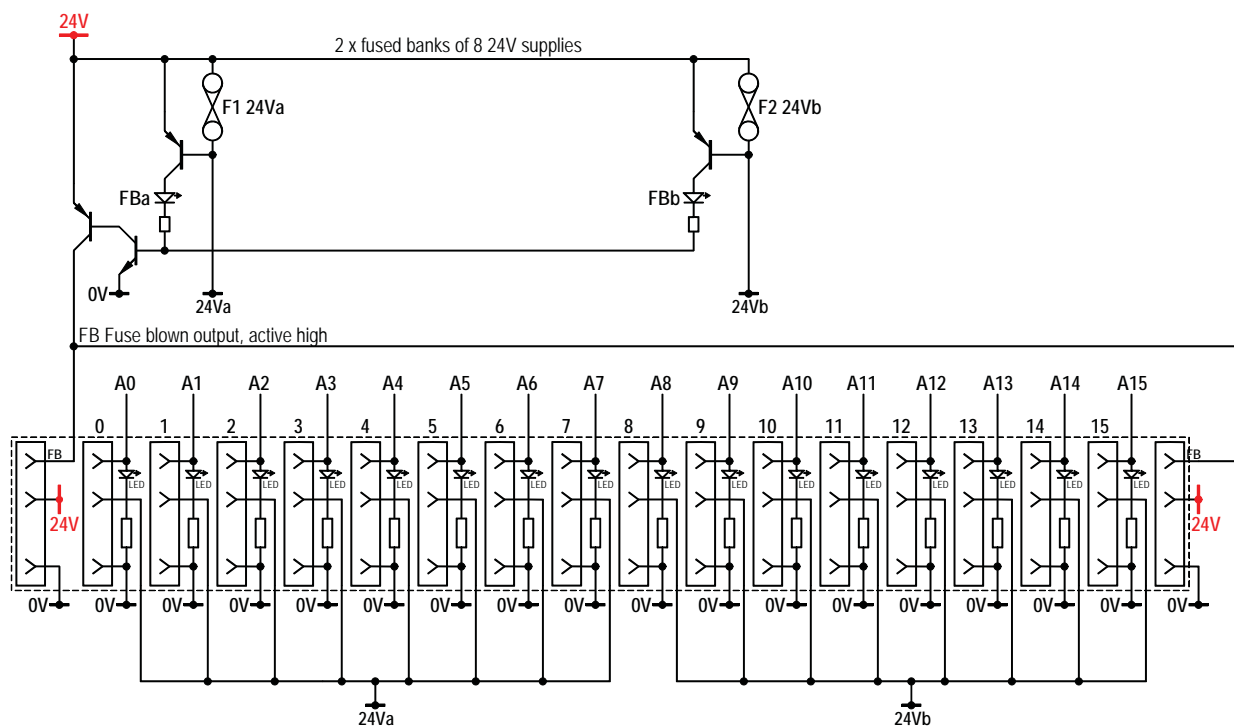
MANUFACTURERS, IMPORTERS AND DISTRIBUTORS OF ELECTRICAL ENGINEERING PRODUCTS
POSTAL ADDRESS: P O BOX 11078, ELLERSLIE 1542, AUCKLAND NEW ZEALAND
FACTORY AND OFFICE: 661 GREAT SOUTH ROAD, PENROSE 1061
TELEPHONE: +64-9-525 1753 FACSIMILE: +64-9-525 1756
CHRISTCHURCH BRANCH: 73B BRISBANE STREET, SYDENHAM
TELEPHONE: 03-366 1242 FACSIMILE: 03-379 1991
EMAIL: sales@carrel-electrade.co.nz WEB: www.carrel-electrade.co.nz

DIM16-24V 16 WAY DIGITAL INPUT MODULE

Dimensions



Circuit Diagram



Ribbon cable connector

