Your vision, automated

MCOM305IO

INDUSTRIAL INPUT OUTPUT MODULE

The MCOM305IO provides 32 channels for digital input, 32 channels for digital output are 12 bit at ±10 V/ ±5 V/ 0 ~ 10 V/ 0 ~ 5 V /4 ~ 20mA, each of which features photocoupled isolation. The MCOM305IO supports source-type output, input is sink-type. Support RS485 Modbus RTU protocol for communication and work as slave device.

➢ FEATURES

- Source-type Digital Outputs.
- Sink-type Digital Inputs.
- Photocoupler Isolation.
- Watchdog.
- Cost-effective.
- Wide Operating Temperature Range: -25 °C ~ +75 °C.

➢ INPUT OUTPUT SPECIFICATIONS

Digital Input	
Input Channels	32
Type	Wet Contact (Sink)
On Voltage Level	+12.0 VDC ~ 30 VDC
Off Voltage Level	+11 V max.
Input Impedance	10 KΩ, 0.66 W
Digital Output	
Output Channels	32
Type	Open Collector (Source)
Max. Load Current	500 mA/channel
Load Voltage	+12 VDC ~ +30 VDC

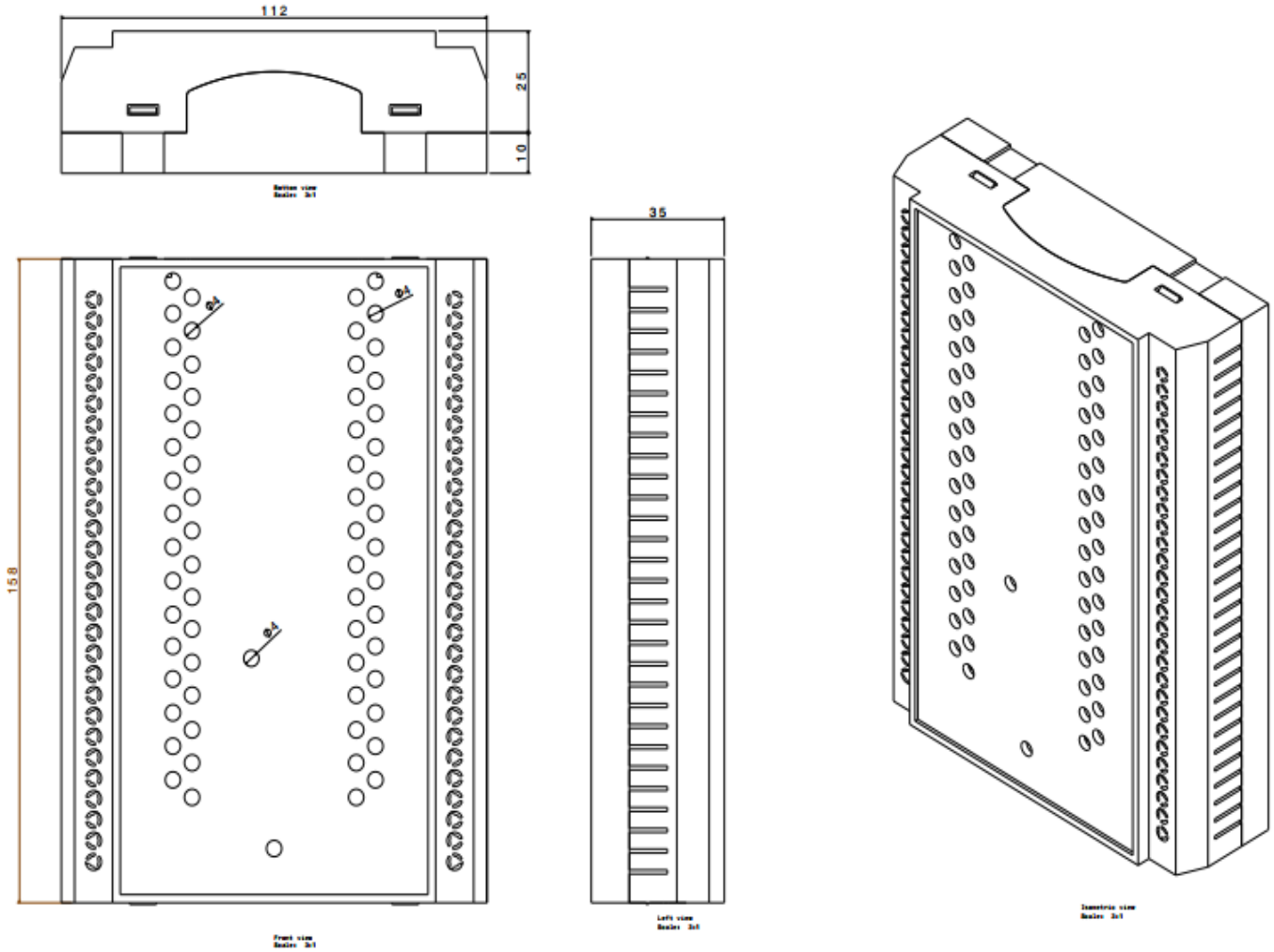
➢ SYSTEM SPECIFICATIONS

COMMUNICATION	
Interface	RS-485
Format	(N, 8, 1), (N, 8, 2), (O, 8, 1), (E, 8, 1)
Baud Rate	1200 ~ 115200 bps
Protocol	Modbus/RTU
Watchdog	Yes
POWER REQUIREMENTS	
Reverse Polarity Protection	Yes
Powered from Terminal Block	Yes, 12 ~ 30 VDC
Consumption	0.5 W Max.
ENVIRONMENT	
Operating Temperature	-25 °C ~ +75 °C
Storage Temperature	-30 °C ~ +75 °C
Humidity	10 ~ 95% RH, Non-condensing

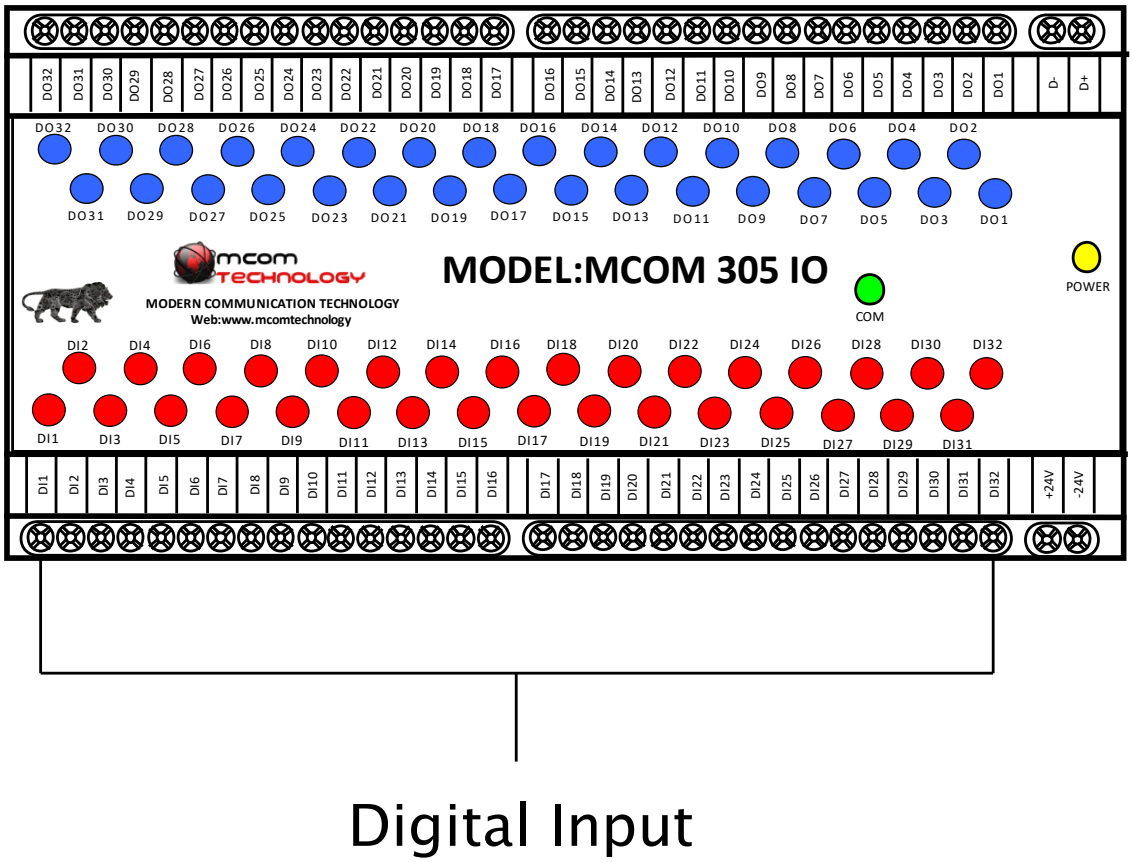
➢ APPLICATIONS

- Industrial Automation
- Industrial Machinery
- Building Automation
- Food and Beverage Systems
- Semiconductor Fabrication
- Control Systems

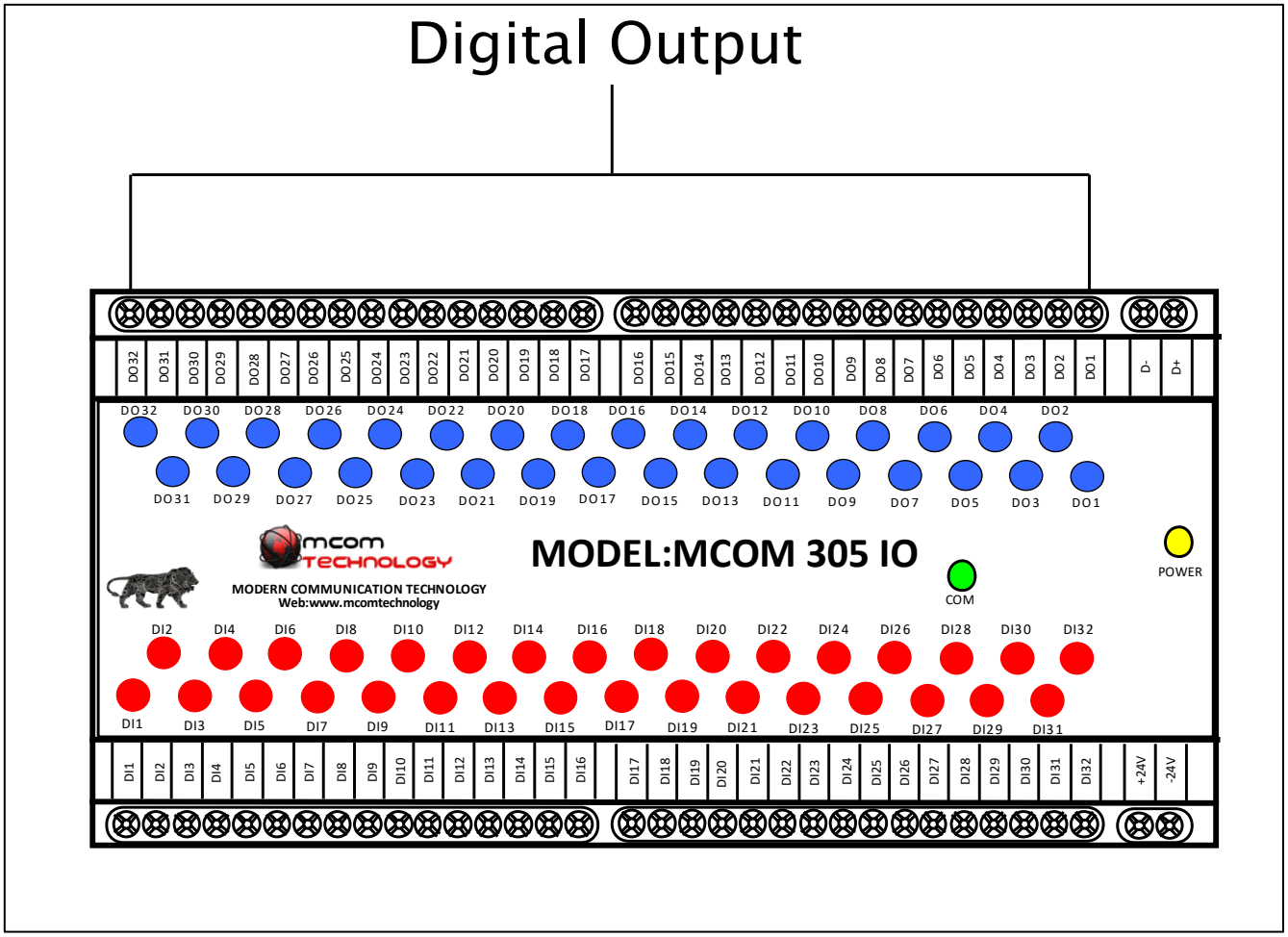
➢ DIMENSION DIAGRAM



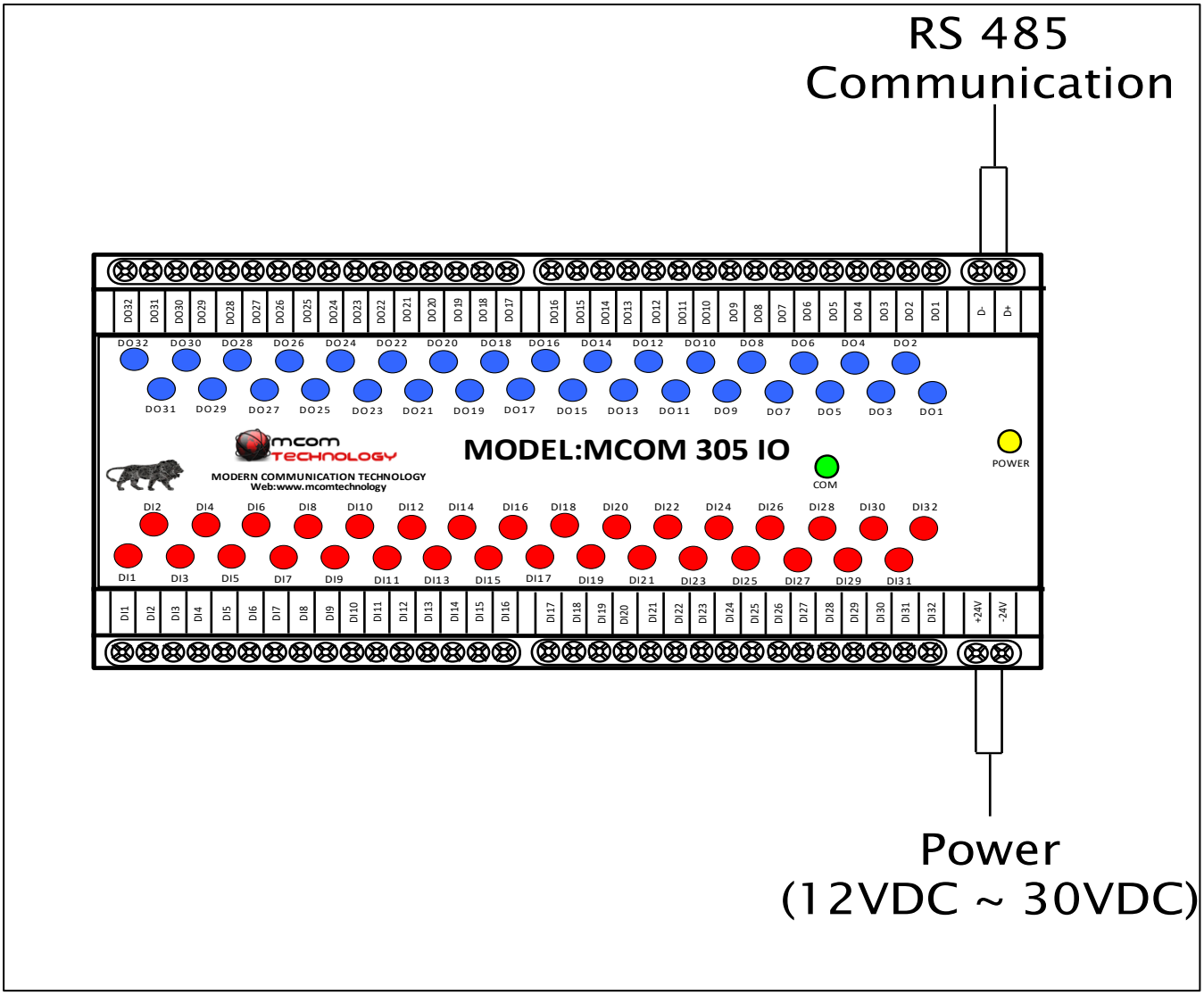
➢ DIGITAL INPUT



➢ DIGITAL OUTPUT



➢ POWER & RS485



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