

PowerCommand® Digital Input/output Module DIM - Base, DIM - Expansion



> **Specification sheet**



**Power
Generation**

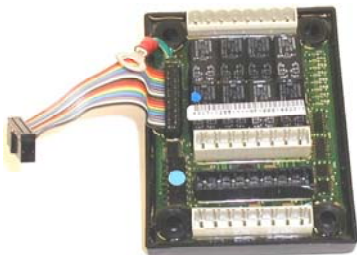
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Description

The PowerCommand® Digital Input/output Module (DIM) provides up to sixteen (16) output relays for local or remote monitoring and control of power system equipment such as motors, louvers, lamps, fans and pumps. The relays may be controlled as a group or individually by PowerCommand software or other system components. The DIM may be added at any point in the network using twisted-pair cabling.

DIM - Base contains eight (8) Form-C relay output sets and four (4) discrete dry contact inputs.

DIM - Expansion easily connects to DIM - Base to provide an additional eight (8) Form-C relay output sets for extended control and monitoring and (4) additional discrete dry contact inputs.



DIM - Expansion

Features

- Up to sixteen (16) Form-C latching relays provide easy control of system equipment such as lamps, louvers, motors and pumps.
- Four (4) discrete dry contact inputs for monitoring equipment status. Equipment status may be shared with other network modules.
- DIM - Base provides eight (8) Form-C contact output sets and four (4) discrete inputs.
- DIM - Expansion provides an additional eight (8) output relays and (4) additional discrete inputs.
- May be connected at any point in the PowerCommand Network.
- Pluggable connectors allow easy one-time wiring.
- Less wiring makes installation and system upgrades quick and easy.
- May be remotely monitored and controlled with PowerCommand Software for Windows® V 2.01.
- PowerCommand Controls are supported by a worldwide network of independent distributors who provide parts, service and warranty support.
- UL Listed and labeled; CSA certified; CE marked.

Specifications

Signal requirements

Network connections: Echelon® LonWorks®, twisted-pair 78 kbps, FT-10

Control power: 10-36 VDC

Current: 100 mA typical

Wiring materials for network signals are UL Listed NEMA Level 4 twisted pair wiring. Terminations for control power accept wire up to 16 ga.

Environment

The DIM - Base and Expansion is designed for proper operation in ambient temperatures from -40 °C to +70 °C (-40 °F to +158 °F) and for storage from -40 °C to +80 °C (-40 °F to +176 °F). Control will operate with humidity up to 95%, non-condensing, and at altitudes up to 5000 m (13000 ft).

Relay ratings (DIM - Base)

Revision A: 1 A @ 125 VAC, 2 A @ 30 VDC
Revision 2 A: 2 A @ 250 VAC, 2 A @ 30 VDC

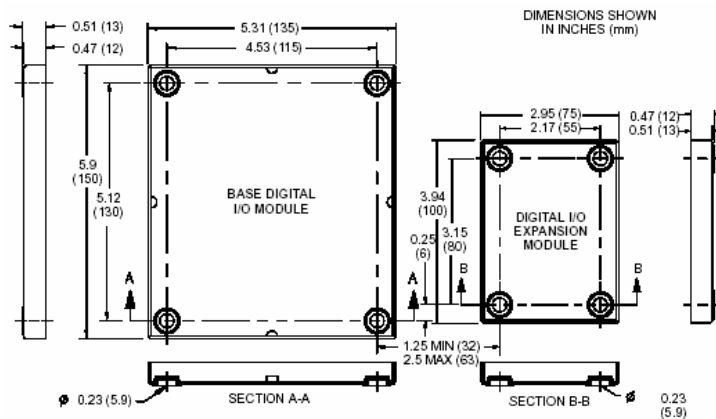
Relay ratings (DIM - Expansion)

1 A @ 125 VAC, 2 A @ 30 VDC

Network length: Maximum 1400 m (4600 ft)

Approved wiring: UTP NEMA Level 4, Cat 5 (stranded)

Dimensions



Ordering information

Part number	Description
0541-0771	Digital Input/output Module - Base (DIM - Base), FT-10
0541-0772	Digital Input/output Module - Expansion (DIM - Expansion), FT-10

See your distributor for more information.

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