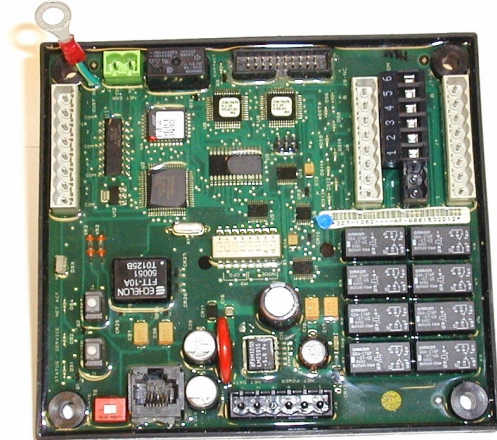


PowerCommand[®] Digital Input/Output Module

DIM - Base
DIM - Expansion
(FT-10)

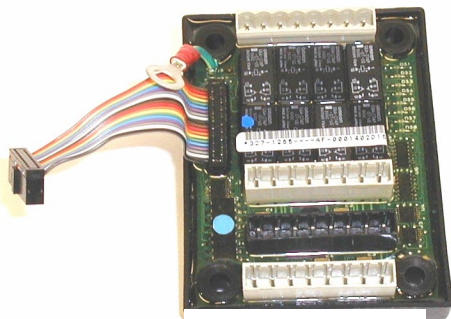


Description

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 for Windows[®] Software 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: 10-36VDC
Current: 100mA typical
 Wiring materials for network signals are UL-listed NEMA Level 4 twisted pair wiring. Terminations for control power accept wire up to 16ga.

Environment

The DIM Base and Expansion is designed for proper operation in ambient temperatures from -40C to +70C, and for storage from -40C to +80C. Control will operate with humidity up to 95%, non-condensing, and at altitudes up to 13,000 feet (5000 meters).

Relay Ratings (DIM Base)

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

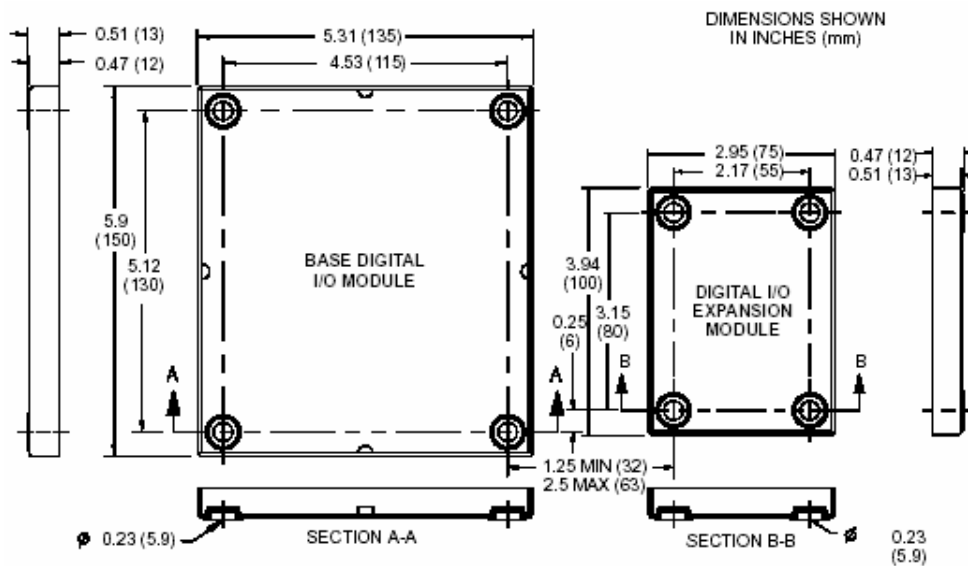
Relay Ratings (DIM – Expansion)

1A @ 125 VAC, 2A @ 30 VDC

Network Length: Maximum 4600 Feet (1400M)

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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 Windows is a registered trademark of Microsoft.

WARNING For Professional Use Only. Must be installed by a qualified service technician. Improper installation presents hazards of electrical shock and improper operation, resulting in severe personal injury and/or property damage.

WARNING Back feed to a utility system can cause electrocution and/or property damage. Do not connect generator sets to any building electrical system except through an approved device or after building main switch is open.