



ASSA ABLOY



Hi-O TECHNOLOGY™

Hi-O™ Technology

Highly Intelligent Opening

BRINGING NETWORK INTELLIGENCE TO THE DOOR

ASSA ABLOY's open-standard-based Hi-O system - Highly Intelligent Opening - connects electronic door components together over a CAN (Controller Area Network) data network, allowing them to communicate and monitor the health of the opening. Intelligence is built into each device instead of on centralized logic unit, creating a plug-and-play system. Each device is instantly recognized when plugged into the system - similar to what happens when a USB device is plugged into a computer. Every unit is connected with a four-wire cable and has ElectroLynx® plug-in connectors for quick installation.

BENEFITS OF HI-O

With Hi-O, end-users experience reduced cost of ownership for the life of an opening, fast and accurate installation, and better information of what's occurring at the opening.

- Low cost of ownership for the life of an opening
- Fast and accurate installation
- Predictive vs. reactive maintenance
- Enhanced troubleshooting

FEATURES & CAPABILITIES

Installation:

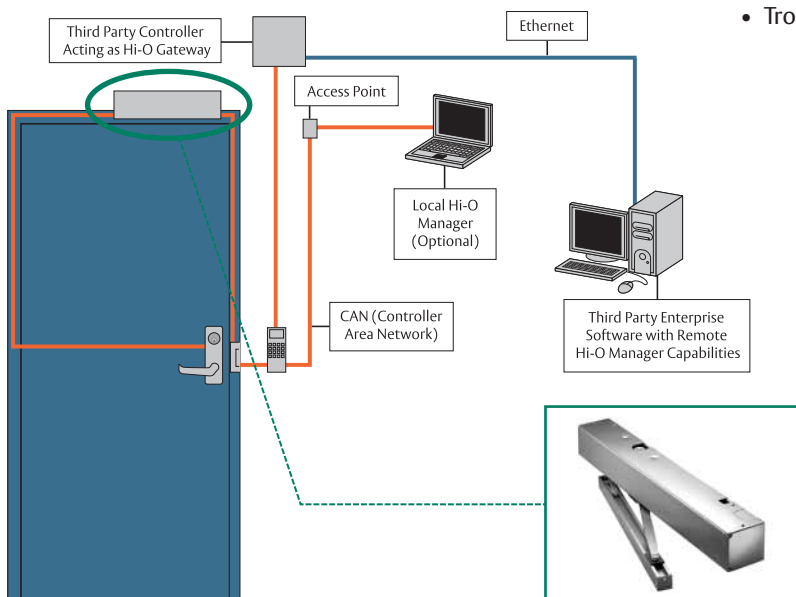
- Automatic configuration and immediate activation due to intelligence embedded in components
- Simple four-wire hookup for data and power
- Standardized ElectroLynx® connectors
- Self-regulating power, 12-24 volts
- Software (Hi-O Manager or other enterprise system) verifies correct door installation

Monitoring:

- Works with access control system to monitor all openings and provide immediate notification of system breach
- Remote monitoring for day-to-day operations and diagnostics
- Local monitoring for installation and maintenance
- Encrypted communication between devices ensures integrity of the opening

Diagnostics:

- Components provide detailed performance information
- System reports on maintenance needs
- Provides hi-low voltage monitoring, sabotage detection and usage counting for each device
- Troubleshoots system errors and pinpoints faulty device



Products with Hi-O compatibility
(look for the HT designation)

HT6900 PowerMatic®



ASSA ABLOY

HT6900 Series

Powermatic®

The Norton® HT6900 PowerMatic® is a “Low Energy” power door operator designed to automatically open and close doors with a low energy opening force. It functions using an A/C motor and hydraulic pump to activate a heavy-duty hydraulic door closer controlled by an Electronic Control Module (ECM) board.

- Application versatility and ease of adjustment
 - Handed units
 - Push- or pull-side mounting
 - Interfaces with electric hardware and integrates with access control systems
- Holds Open options
 - 0-30 seconds (5 seconds minimum required for ADA and ANSI/BHMA A156.19)
 - Choice of infinite hold open features
- Obstruction Detection
 - Door closes if it hits an obstruction while opening
 - Door re-opens once if it hits an obstruction while closing



HT6960 Shown

FEATURES AND FUNCTIONS

- Power assist selector switch
- Push and go selector switch
- Motor startup delay adjustment
- Vestibule function delay adjustment (For sequencing two or more units)
- Door hold open delay adjustment
- Single pole double throw (SPDT) relay output
- Blow open function for smoke ventilation
- Presence detector input
- 24 VDC @ 1.2A output
- Selector mode switch (3 position)
 - OFF – Disables signal except blow open. Unit still powered.
 - ON – Activates signal inputs for normal use.
 - HOLD OPEN – Activates the unit to the hold open position indefinitely.

ELECTRICAL DATA

- Power Input: 120 VAC, 60 Hz (+10%, -15%)
- Current Draw 1.5A
- Auxiliary Output 24 VDC @ 1.2A
- SPDT relay output for controlling electric strikes or electric locks not to exceed 1 amp @ 30 VDC

CERTIFICATIONS

- UL, c-UL, UL for use on fire and smoke barrier doors
- Meets requirements for UL10C and UBC 7.2 for positive pressure
- 2-year warranty
- Meets requirements for Americans with Disabilities Act (ADA)
- ANSI/BHMA A156.19, certified



To be Installed by
**ASSA ABLOY
CERTIFIED
INTEGRATOR**



Sold through
**ASSA ABLOY
AUTHORIZED
CHANNEL
PARTNER**



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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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