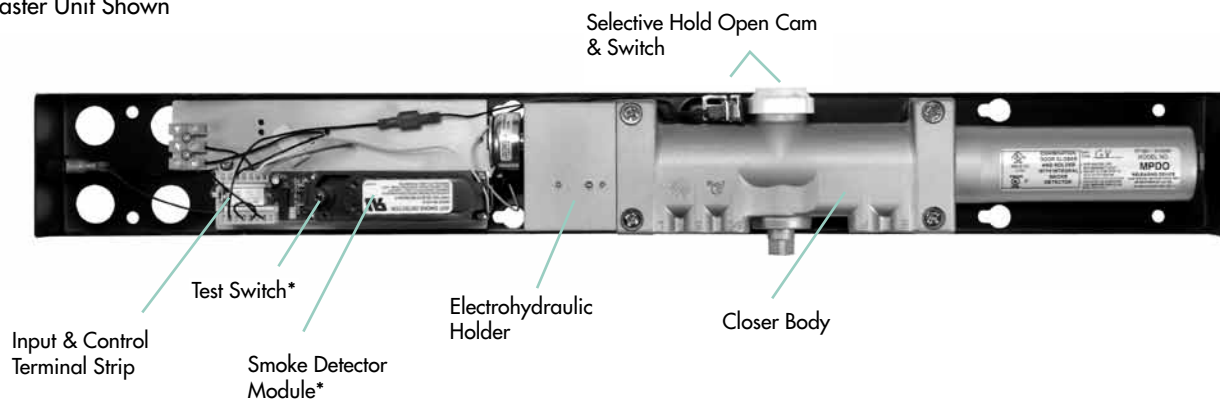


7200 SERIES ELECTROMECHANICAL CLOSER/HOLDER

OVERVIEW

Master Unit Shown



*Master Unit Only

BASIC UNITS

Master Unit: 7200MPDO

Consists of an on-board power supply (for 120VAC input option) or a terminal strip (for 24VDC input option), an integral smoke detector module and a door closer assembly with internal electro-hydraulic holder capability. A Master Unit can control a single door or one leaf of a pair of doors. A 24VDC Slave/Support Unit is required on the opposite door leaf.

Slave/Support Units: 7200MPSO

Identical in size to the Master Unit, the Slave/Support Unit consists of an on-board power supply (for 120VAC input option) or a terminal strip (for 24VDC input option) and a door closer assembly with internal electro-hydraulic holder capability. This unit (120VAC or 24VDC) is intended to control a single door or a pair of doors where the building's alarm system monitors the power to the Slave/Support Unit (24VDC input) or to control the inactive leaf of a pair of doors where the active leaf is controlled by a Master Unit.

Executive™ Unit: RFS Suffix

Identical in size and appearance to a Master Unit, the Executive Unit consists of an on-board power supply (for 120VAC input option) or a terminal strip (for 24VDC input option), a 433MHz radio frequency receiver and a door closer assembly with internal electro-hydraulic holder capability. Unit is intended to provide remote wireless release of a door that has been manually placed into the electrified hold open position. Not intended for use in life safety applications.

SPECIFICATIONS

Closer for _____ doors shall be electromechanical (with integral smoke detector) and completely enclosed in a metal cover. Units shall be surface mounted to the frame face [on the pull (hinge side) or the push (opposite hinge side)] of the door [and shall project no more than 2-11/16" (68mm) from the surface of the frame]. (Closer shall be installed in the header of the frame, and the slide track mortised into the door's top rail). Closer unit shall be hydraulic, full rack and pinion type with a cast aluminum alloy shell. Hydraulic fluid shall be non-gumming and non-freezing. Closer unit shall have two non-critical valves to independently regulate closing and latch speed. It shall also have an adjustable backcheck with a hex-key. Closer unit shall have spring power adjustment to permit a 50% increase in closing power over the minimum closing force for any size. Electromechanical Closer shall have (Infinite) (Selective) Hold Open (Free Swing Operation) and shall be able to attain a maximum opening of 180° (with hold open to 175°). Unit to be fail safe and must close the door during any electrical power interruption to the unit. (Closer/Holder to be Executive Door Holder/Release with release actuated by battery operated hand-held controller). Unit(s) to operate on (120VAC, 60Hz) (24VDC) and will accept (surface) (concealed) wiring. Amperage draw shall not exceed (.105 Amps for 24VDC) (0.46 Amps for 115VAC) units. Supplier to coordinate electrical requirements with electrical and alarm system engineers. Wiring (and conduit) by others.

Electromechanical Units to be Norton® Series 7200 (Closer/Holder) (Free Swing Releasing Device), (Executive Door Holder/Release).

FEATURES

Aluminum Alloy Housing

Closer bodies are constructed of a special aluminum alloy, carefully selected to accommodate interactive steel components and operating conditions.

Rack & Pinion Operation

Provides a smooth constant control of the door through its full opening and closing cycle.

Spring Sizes

Specify closer size 3, 4 or 5. Size 6 available with 7290 overhead concealed units.

Sweep Speed Control Valve

Allows adjustment of door speed from the door's full open position down to approximately 10° from the closed position.

Latch Speed Control Valve

Allows adjustment of door speed from approximately 10° down to the door's fully closed position.

Adjustable Backcheck Cushioning

Provides control of the door in the opening cycle, beginning at approximately 75° of door opening. It slows/cushions the door opening, when the door is forcibly opened beyond its pre-adjusted limits.

Adjustable Backcheck Position Valve

Allows the door opening position, where backcheck cushioning begins, to be adjusted to a greater door angle, up to a maximum of 20° farther (approximately 95°).

Handed

Specify right or left hand when ordering.

Selective Hold Open (Standard)

The door will hold open at any degree of opening beyond a pre-set hold open point, up to 175°, with a maximum allowable door opening of 180° (exception series 7250 at 110°).

Infinite Hold Open

The door will hold open at any degree of opening up to 175°, with a maximum allowable door opening of 180° (exception series 7250 at 110°). Can be set in the field by turning cam.

Fail Safe

In the event of a power failure, the solenoid will de-energize and the closer/holder will then operate as a normal door closer.

Wiring Option

All 7200 Series Electromechanical Closer/holders will accommodate either concealed or surface wiring.

Selective Hold Open Switch and Cam:

The Selective Hold Open starting point is determined by a switch and adjustment cam assembly. The cam is attached to the upper pinion shaft by means of a machine screw. As the door is opened, the pinion shaft will rotate the cam and operate the switch to the "on" position to initiate hold open. When the door is closed, the pinion cam will operate the switch to the "off" position. The cam is factory set to operate at 80° of door opening. The cam can be easily field adjusted to operate at virtually any degree of door opening.

UNITS WITH DETECTORS

Fire/Smoke Control Circuit:

Interprets the signal from the detector and provides switching contacts to interrupt hold open solenoid, to sound alarms, etc.

Alarm (Relay) Contacts:

Normally open in standby condition (operating and sensing for smoke condition). These contacts close during an alarm condition (smoke detected) and may be used to switch power from the solenoid to an optional local alarm.

Trouble (Relay) Contacts:

Normally closed in standby condition, these supervisory contacts monitor the continuity of power within the detector circuit. Any power interruption within the detector circuit will open these contacts. They can then be used to simultaneously indicate a Trouble Condition to the Alarm Panel on a separate trouble circuit.

Locked-In Alarm:

The unit which alarms must be manually reset. This can be accomplished by remote control from the alarm system panel or by the reset switch in the smoke detector module. Reset switch is accessible through the center louver in the cover. Reset by rotating LED chambers using small flat blade screwdriver.

Indicator Lights:

Normal Mode: A red LED flashes once every eight (8) seconds.

Clean Mode: A red LED flashes once every second.

Alarm Mode: A red LED illuminates continuously.

Test Switch:

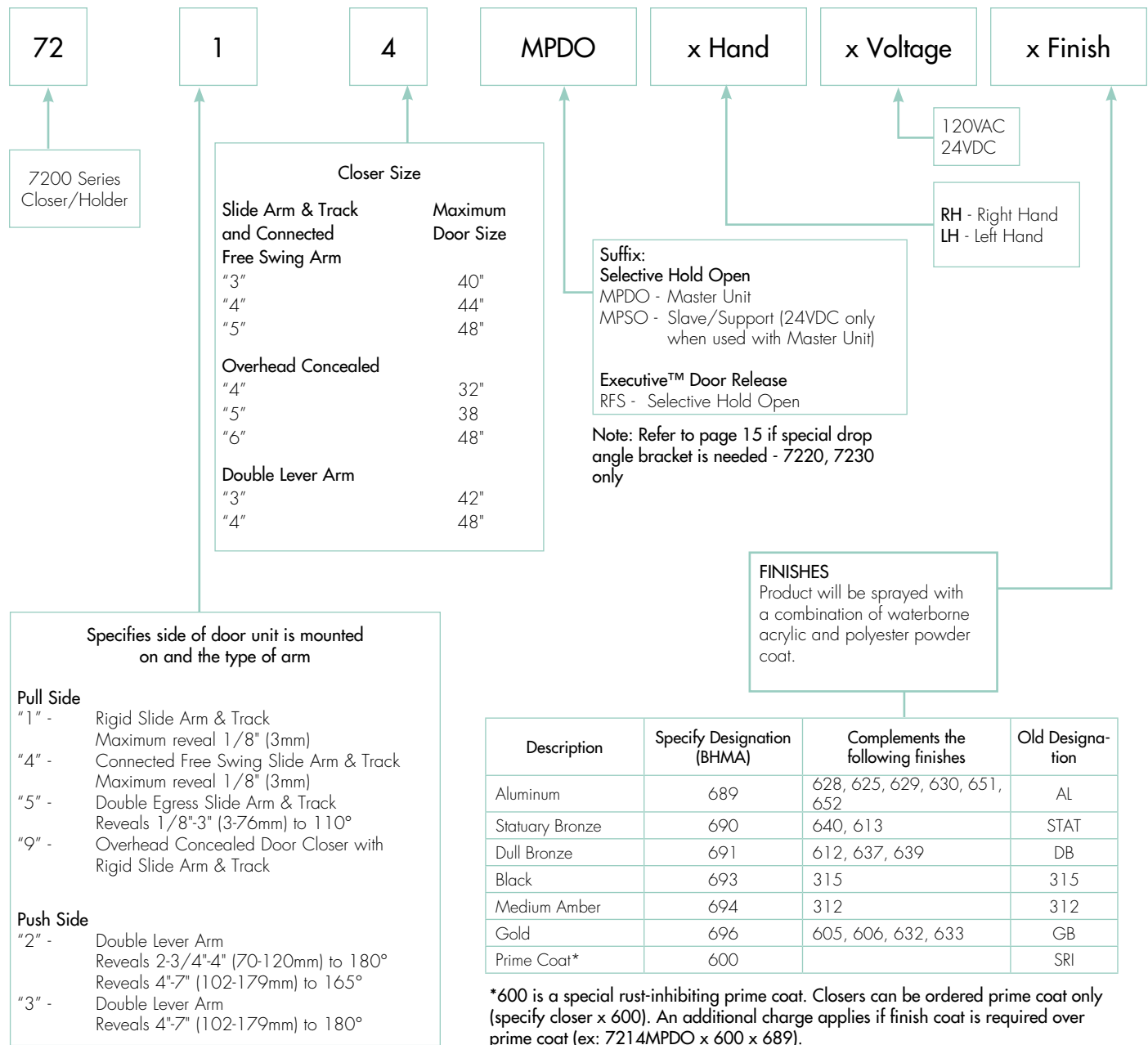
Permits door to be released from hold open without causing a "trouble condition" at the alarm panel. Allows for periodic testing of the automatic door release function.

7200 SERIES ELECTROMECHANICAL CLOSER/HOLDER

COMPLIANCE STANDARDS

- ANSI/BHMA A156.15 certified **BHMA** CERTIFIED
- UL / cUL listed for use on fire rated doors **UL**
- UL10C listed for positive pressure fire test
- This product is manufactured in an ISO 9001 facility

HOW TO ORDER



7200 SERIES ELECTROMECHANICAL CLOSER/HOLDER

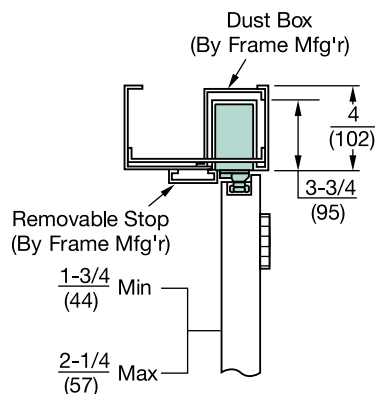
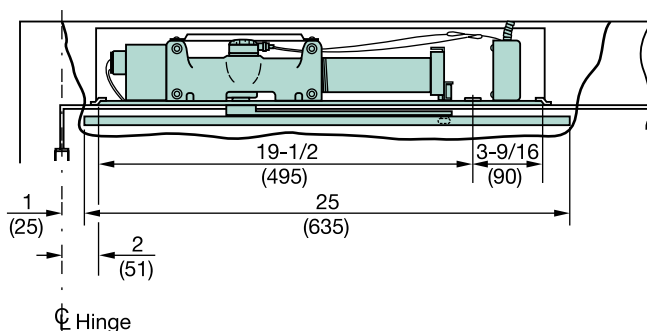
7290 OVERHEAD CONCEALED SUPPORT UNIT

Controlled Remotely by Area/Ceiling Detectors

- Handed
- Unit concealed in the header of the frame
- Installation requires a 4" (102mm) high frame header
- A 2" x 4" (51 x 102mm) dust/grout box and a removable frame stop (provided by the door and frame supplier) are required.
- Slide track is mortised in the door's top rail
- Standard units accommodate doors opening 180°; maximum 175° hold open
- Buffer block assembly in the track will accommodate doors opening to 125°
- Auxiliary door stop is required for doors opening beyond 125°
- Units shipped Selective Hold Open; Infinite Hold Open can be set in the field.
- Intended for use with compatible UL listed ceiling alarm detection equipment.
- Fail Safe – solenoid will de-energize in the event of power failure



TECHNICAL DETAILS



DOOR SIZE

Maximum Door Size (cm)	Selective Hold Open
32" (81)	7294MPS
38" (97)	7295MPS
48" (122)	7296MPS

Note: Contact factory if door weight exceeds 250 lbs.

ELECTRICAL DATA

Support Unit				
Model Number	Suffix	Number power Input Lines* (pairs)	Operating Voltage (input)	Amperage Draw Solenoid Coil (ampreses)
7290	MPS	1	24VAC/DC	.070@24VAC/DC
			120VAC	.035@120VAC

* Max/Min Operating Voltage Parameters +10%/-15%