



**Panic  
Hardware**

**DORMA** 9000 Series

DORMA offers a complete line of panic hardware for virtually any egress control installation in which security, reliability and appearance are considerations. Our devices cover the full range of hardware requirements found in such places of public assembly as hospitals, universities and schools, public auditoriums, commercial buildings, hotels and municipal buildings.

DORMA offers a comprehensive line of 9000 Series narrow stile architectural touchbar devices, including concealed and surface panic bolts and rim panic latch. Each model is available with a broad range of outside operating trim and special electrical functions.

DORMA panic hardware is manufactured to the same exacting standards for quality and workmanship that have made DORMA door closers the leading door controls worldwide.

The 9000 Series features solid, wrought metal full length touchbars, rails and covers. The brass, bronze, stainless steel and aluminium materials provide an architectural finish that will remain attractive even in the most punishing conditions. Chassis are constructed of an alloy steel with zinc dichromate finish and stainless steel dead-locking pullman type latchbolts, while end caps are a rugged zinc alloy die casting.

**PLUS POINTS  
FOR THE TRADE**

- Engineered, reliable product for worry-free sales possibilities
- Excellent value when comparing product, price and service
- Handling and functions are field-changeable to minimise inventory variants

**FOR THE INSTALLER**

- Easy to install, with simple, straightforward installation instructions and fixing templates
- Versatility by field-cutting units to suit varying door widths
- Minimal adjustment required at installation
- Simple design requires virtually no in-service maintenance

**FOR THE USER**

- Durable finishes are long lasting
- Few, but easily replaced, parts for continued service
- Life-cycle tested to guarantee on-going performance

**FOR THE SPECIFIER/ARCHITECT**

- Covers all applications with rim panic latch, surface panic bolt and concealed panic bolt configurations
- Variety of locking options and outside operating trim
- Electrical operating functions for specialised applications
- Complete range of architectural finishes

**GENERAL INFORMATION**

- Full door-width touchbar and rail, chassis and latchbolt covers are fabricated from brass, bronze, aluminium or stainless steel
- Die-cast end cap for touchbar assembly finished in comparable electro-plated finish
- All devices easily field-reversible
- Fasteners provided for metal and wood door applications

The Panic Hardware products in the DORMA 9000 series have been tested and approved to BS EN 1125 and carry the CE - conformity mark in accordance with supplement ZA to that standard.



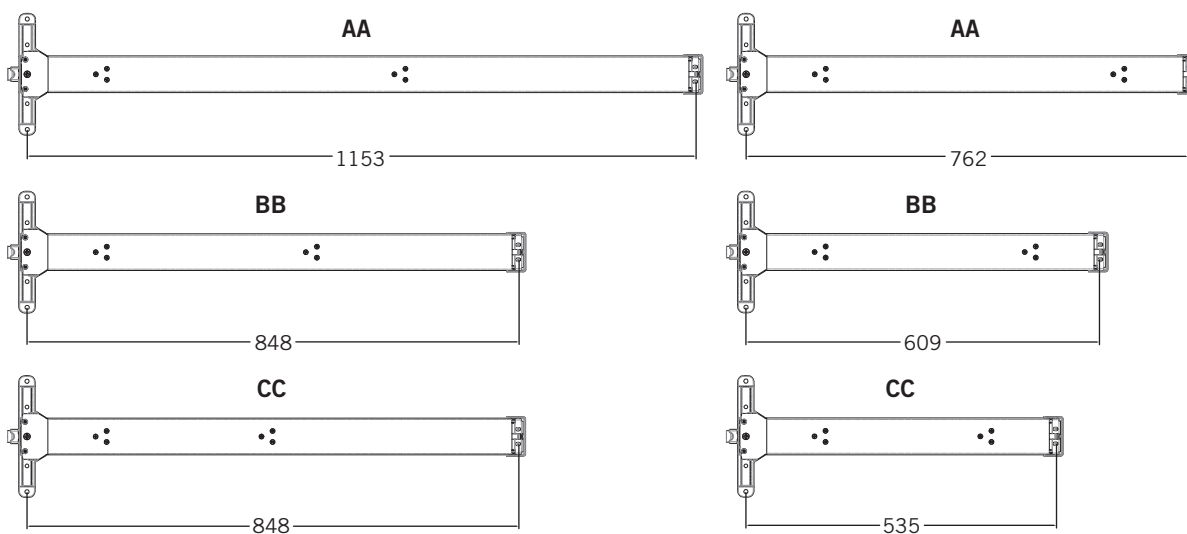
The quality-assurance system at the DORMA Group North America, Steeleville, Illinois, U.S.A. plant is certified to ISO 9001 and ISO14001



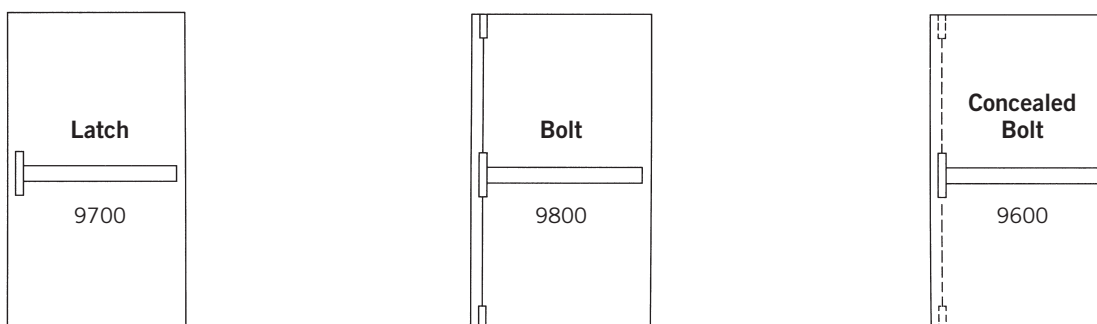
9000 SERIES DATA & FEATURES			
	9700 Panic Latch	9800 Surface Panic Bolt	9600 Concealed Panic Bolt
Data & Features			
Size AA Doors 1220 to 838mm	●	●	●
Size BB Doors 915 to 686mm	●	●	●
Size CC Doors 915 to 610mm	●	●	●
Door Height to 2430mm	●	●	●
Door Height 2430 to 3050mm	●	○	○
Door Thickness 45 to 58mm	●	●	●
Door Thickness 58 to 101mm	○	○	○
Site Reversible Handing	●	●	●
Hex Key Dogging	●	●	●
Cylinder Dogging	○	○	○
Deadlocking Top Pullman Latch	NA	●	●
Bottom Round Slide Bolt	NA	●	●
Bottom Pullman Latch	NA	○	○
Electronic Bolt Retraction	○	○	○
Monitor Switch in Touchbar	○	○	○
Battery Powered Exit Alarm	○	○	○
Direct Wired Exit Alarm	○	○	○
Outside Operating Trim	○	○	○
CE Marked to BS EN1125	●	●	●
CERTIFIRE Approved for Timber and Metal Doors CF875	●	●	NA
Anti-corrosion	○	○	○
Anti-bacterial Coating	○	○	○

- – Standard Feature
- – Optional Feature
- NA – Not Available

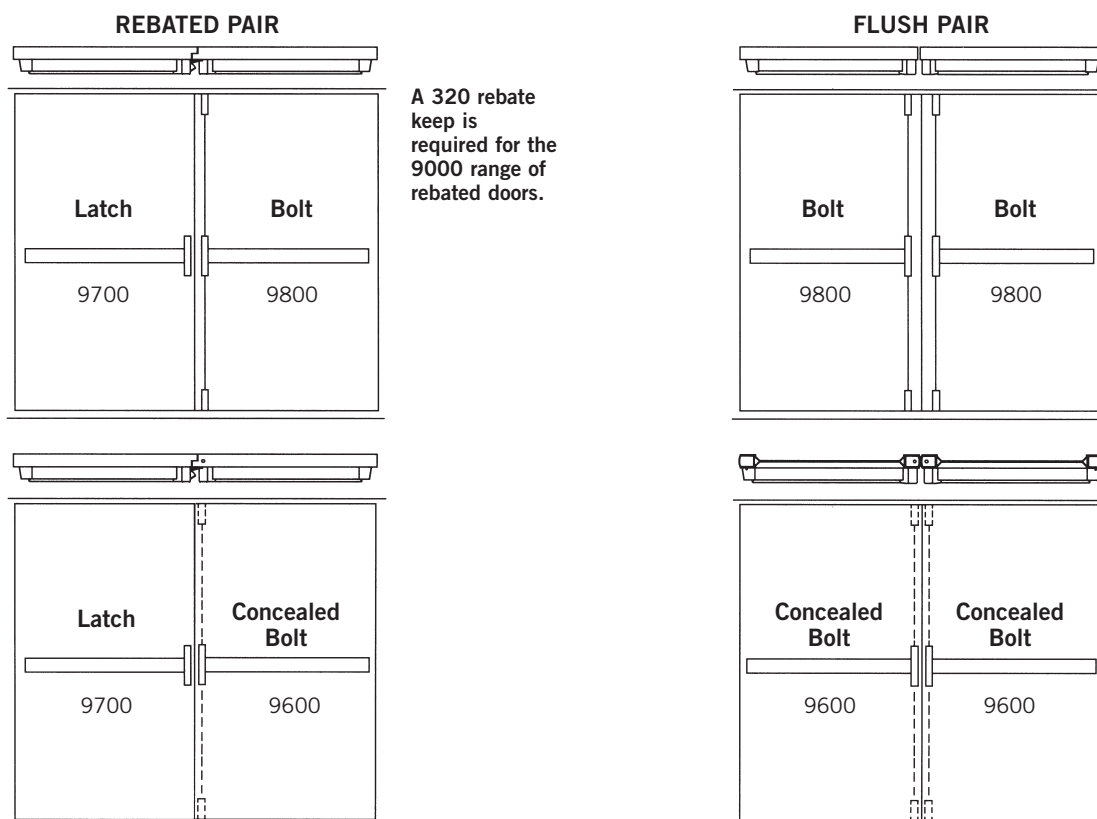
## Maximum and Minimum Fixing Centres in mm



## Single Doors



## Double Doors



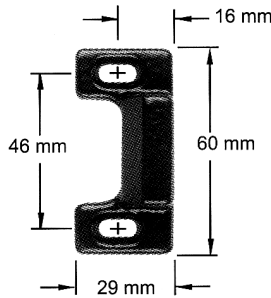
**9700 SERIES**

The 9700 Series is a rim panic latch fitted completely to the face of the door. The 19mm dead-locking latchbolt engages a keeper, normally surface applied to the frame (recessed keeper also available). This provides simple installation, yet secure locking of the door.

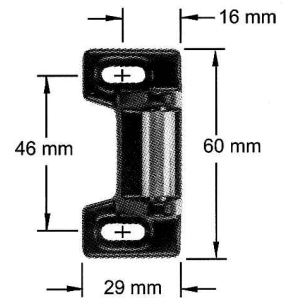
**SPECIFICATIONS**

- Size "AA" device fits 1220mm wide door, can be cut to door 838mm wide on site.
- Size "BB" device fits 915mm wide door, can be cut to door 686mm wide on site.
- Size "CC" device fits 915mm wide door, can be cut to door 610mm wide on site.
- Hex key dogging standard, cylinder dogging optional, specify suffix "CD". CD option requires American mortice cylinder, not included.
- Where dogging is not desired, specify suffix "LD".

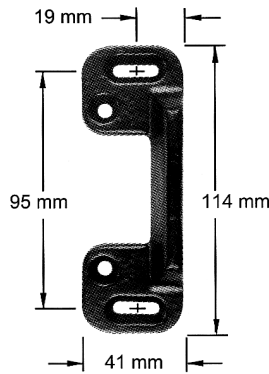
**KEEPERS, MINIMUM STILE AND BACKSET REQUIREMENTS**



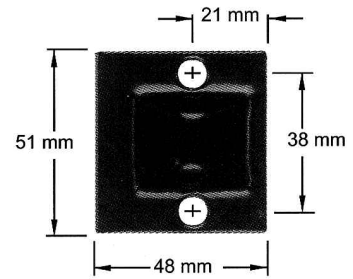
**AD416 Standard Keeper**



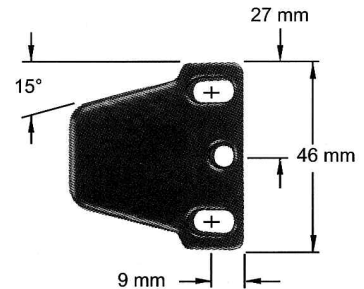
**AD486 Roller Keeper**



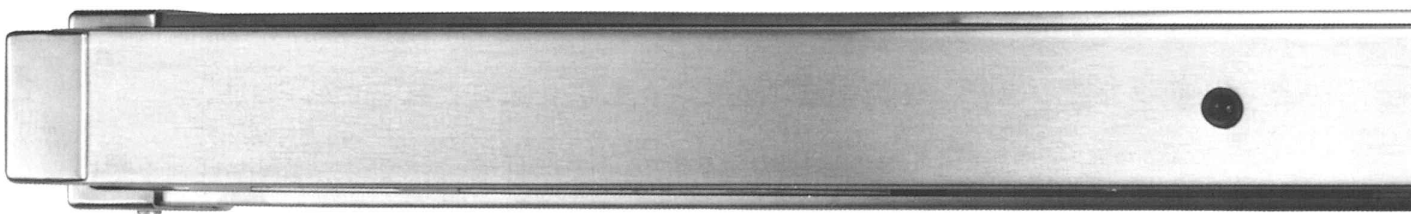
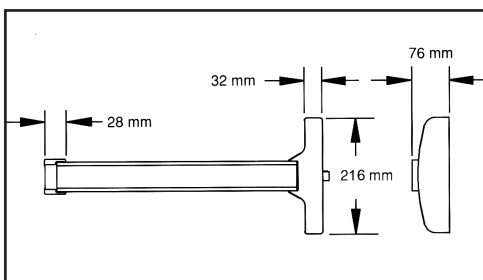
**AD463 Oversize Extended Lip Keeper**

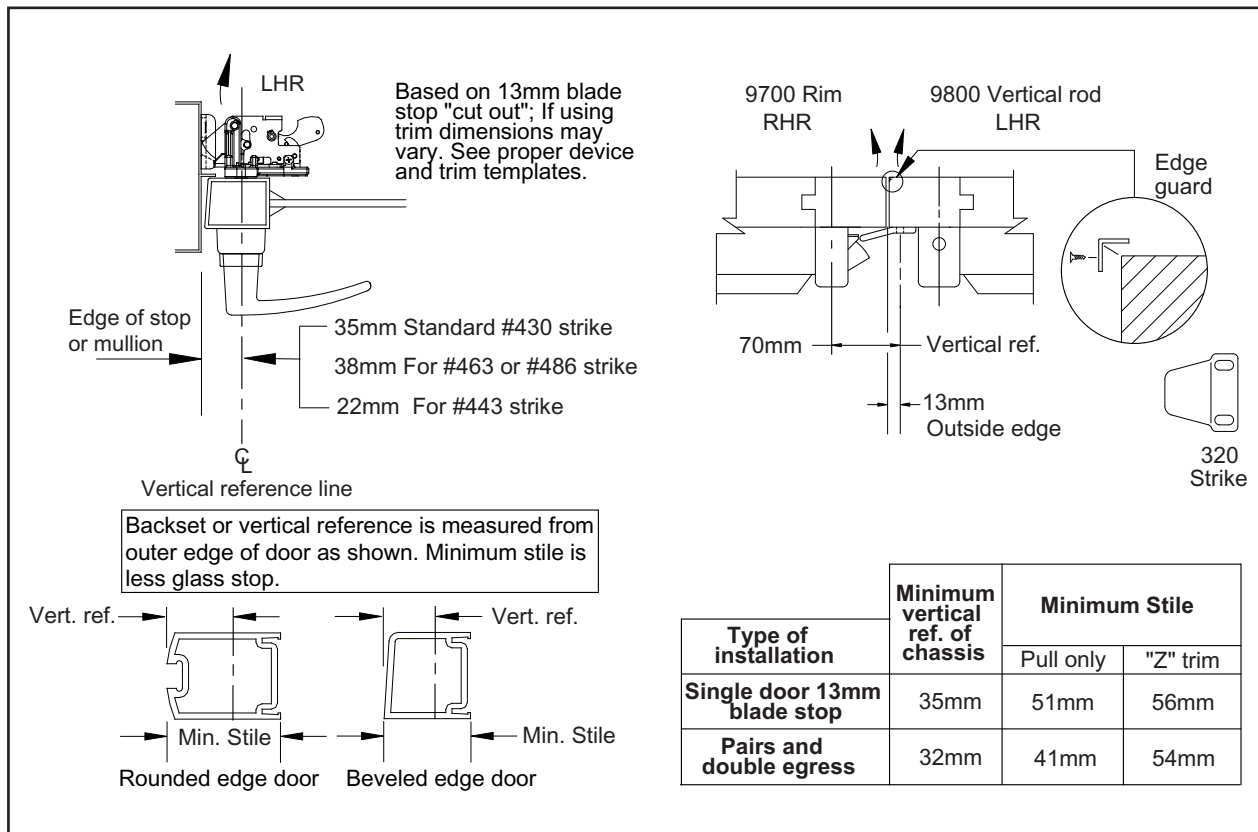


**AD425 Recessed Keeper with Lip**



**AD320 Oversize Keeper for Panic Latch on Active Leaf of Pair of Doors**



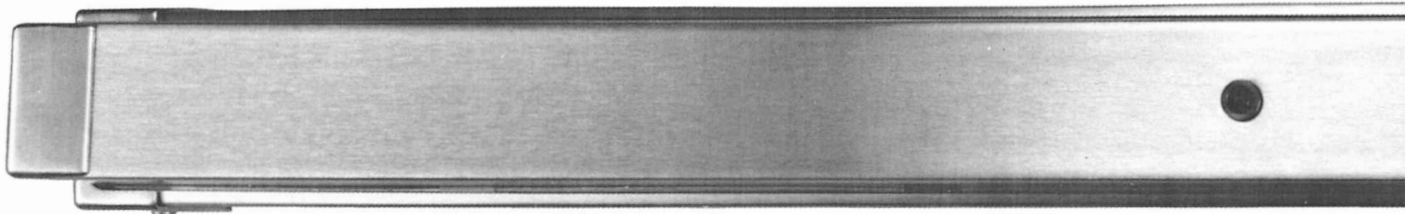
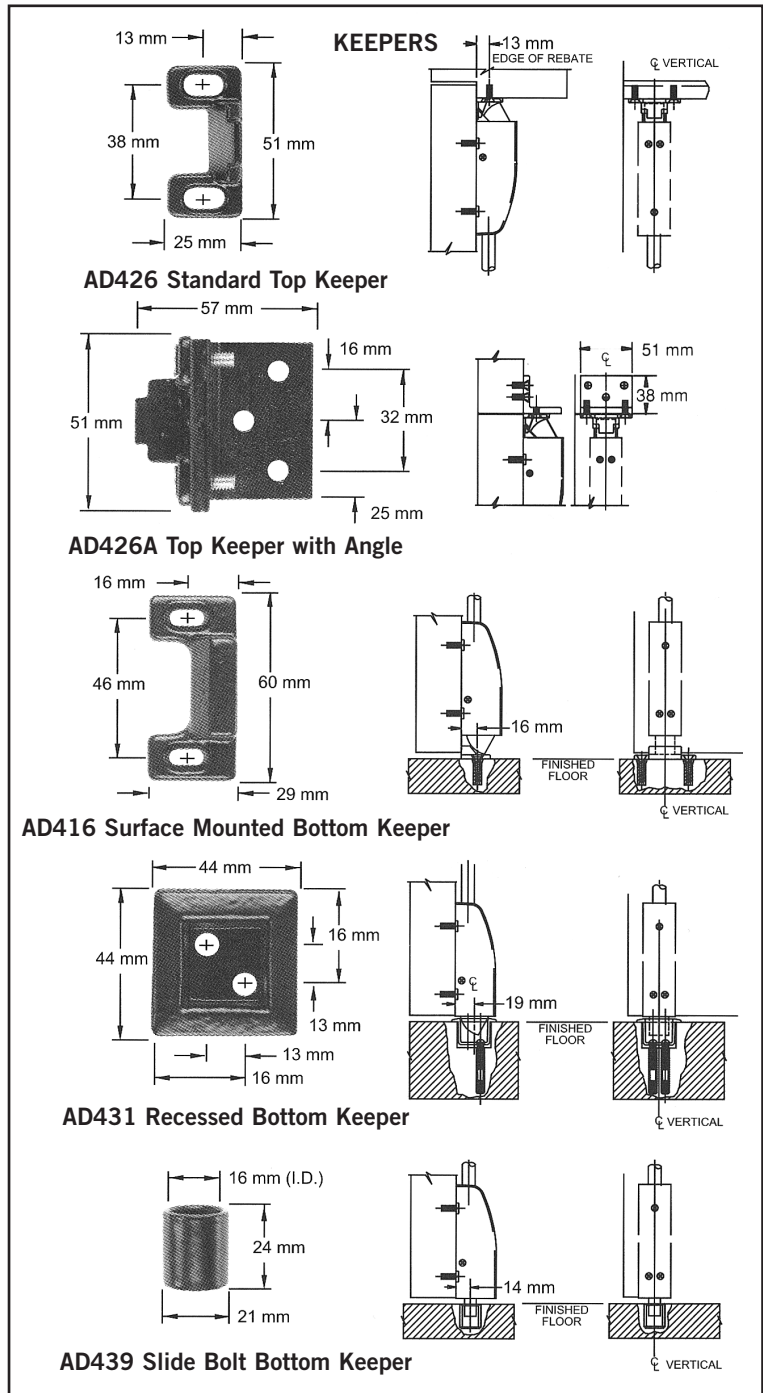
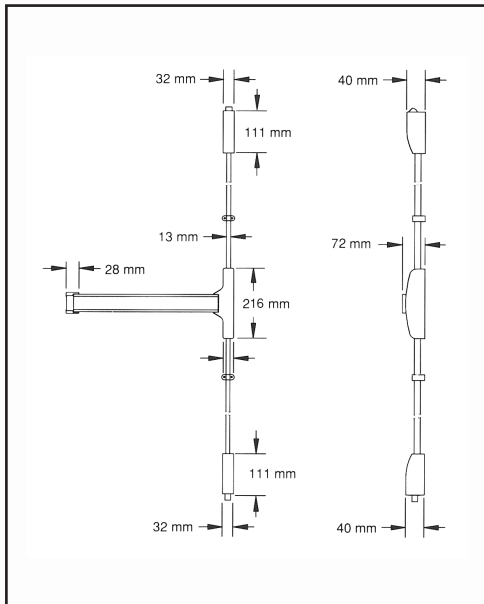


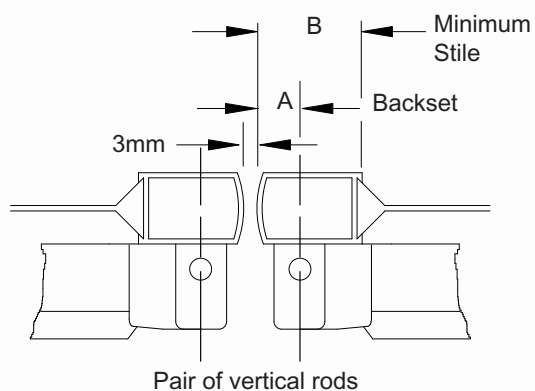
**9800 SERIES**

The 9800 Series is a panic bolt fitted completely to the face of the door. The 19mm deadlocking, Pullman type latchbolt engages surface or recessed keepers in the frame head and a 12mm slide bolt engages in the floor, providing secure dual-point locking of the door.

**SPECIFICATIONS**

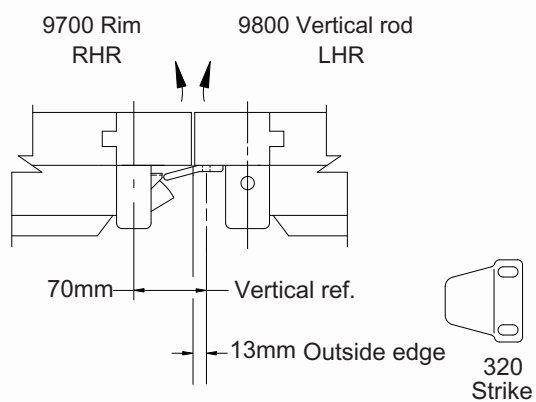
- Size "AA" device fits 1220mm wide door, can be cut to door 838mm wide on site.
- Size "BB" device fits 915mm wide door, can be cut to door 686mm wide on site.
- Size "CC" device fits 915mm wide door, can be cut to door 610mm wide on site.
- Standard device fits doors up to 2430mm high, specify extended rods "ETR" for doors 2430mm to 3050mm high.
- Hex key dogging standard, cylinder dogging optional, specify suffix "CD". CD option requires American mortice cylinder, not included.
- Where dogging is not desired, specify suffix "LD".
- Devices are handed but easily field-reversible.





Pair of vertical rods

Type of installation	Minimum vertical ref. of chassis	Minimum Stile	
		Pull only	"Z" trim
Single door 13mm blade stop	35mm	51mm	56mm
Pairs and double egress	32mm	41mm	54mm
Paired with 9700 rim	41mm	56mm	64mm



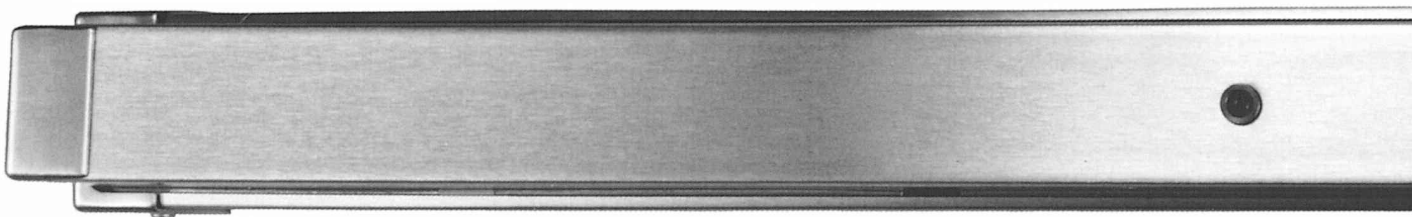
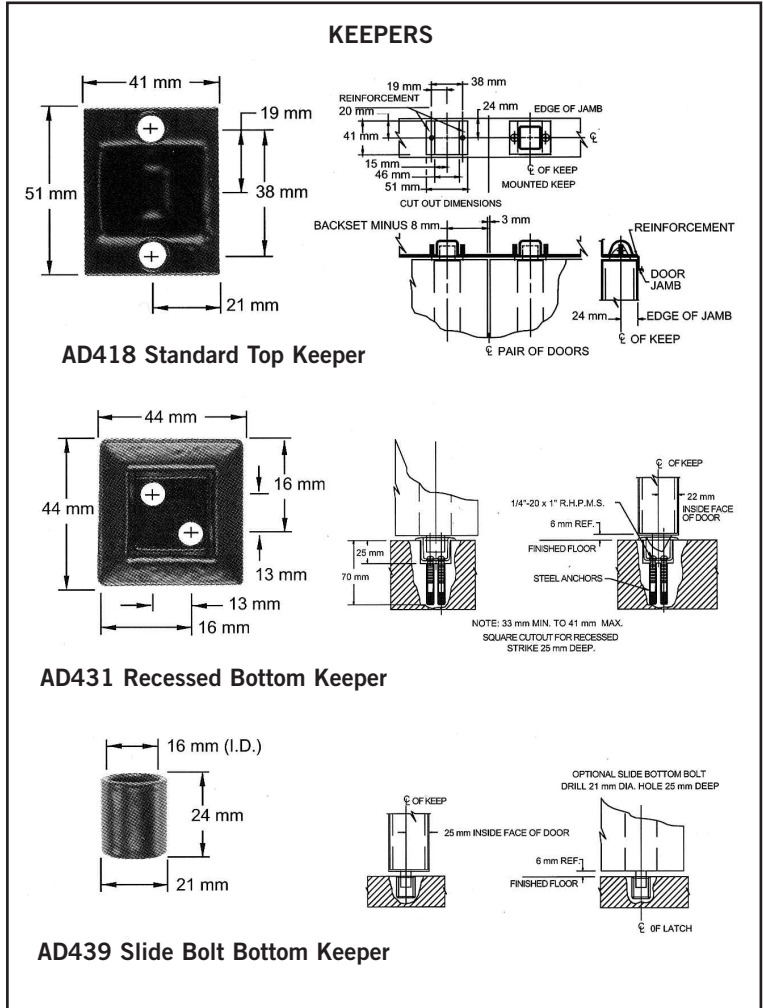
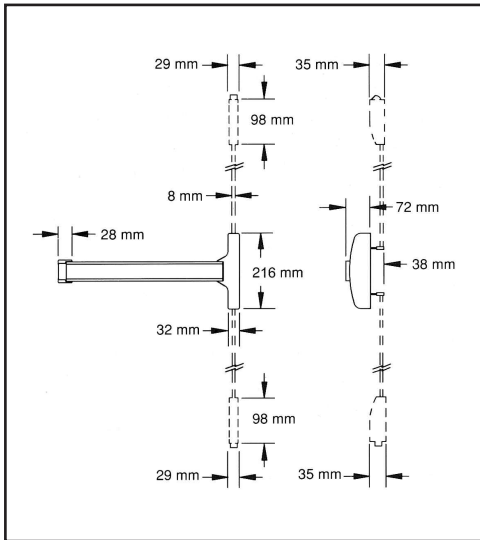


**9600 SERIES**

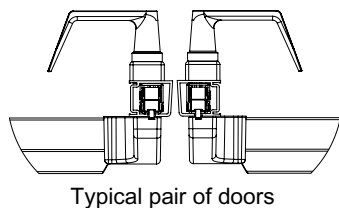
The 9600 Series is a panic bolt concealed in the lock stile of the door, providing improved aesthetic appeal. The touchbar assembly is fitted to the face of the door. The 19mm deadlocking pullman type latchbolt engages keepers recessed in the frame head and a 12mm slide bolt engages in the floor, providing secure dual-point locking of the door.

**SPECIFICATIONS**

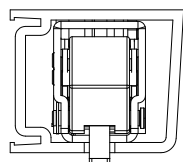
- Size "AA" device fits 1220mm wide door, can be cut to door 838mm wide on site.
- Size "BB" device fits 915mm wide door, can be cut to door 686mm wide on site.
- Size "CC" device fits 915mm wide door, can be cut to door 610mm wide on site.
- Standard device fits doors up to 2430mm high, specify extended rods "ETR" for doors 2430mm to 3050mm high.
- Hex key dogging standard, cylinder dogging optional, specify suffix "CD". CD option requires American mortice cylinder, not included.
- Where dogging is not desired, as with some fire door requirements, specify suffix "LD".
- Devices are handed but easily field-reversible.





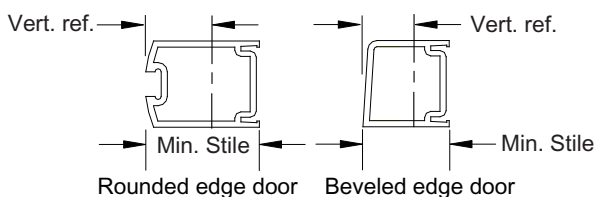


Typical pair of doors



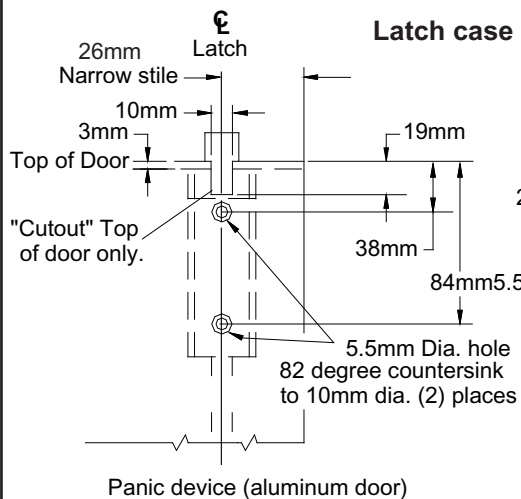
**Note: On narrow stile, vertical center line of chassis may not be on same center line as latch.**

Backset or vertical reference is measured from outer edge outer edge of door as shown. Minimum stile is less glass stop.

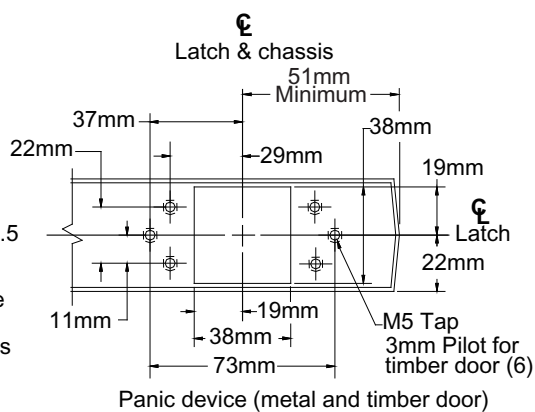


Type of installation	Minimum vertical ref. of chassis	Minimum Stile	
		Pull only	"Z" trim
Single door 13mm blade stop	32mm	52mm	59mm
Pairs and double egress	32mm	51mm	54mm

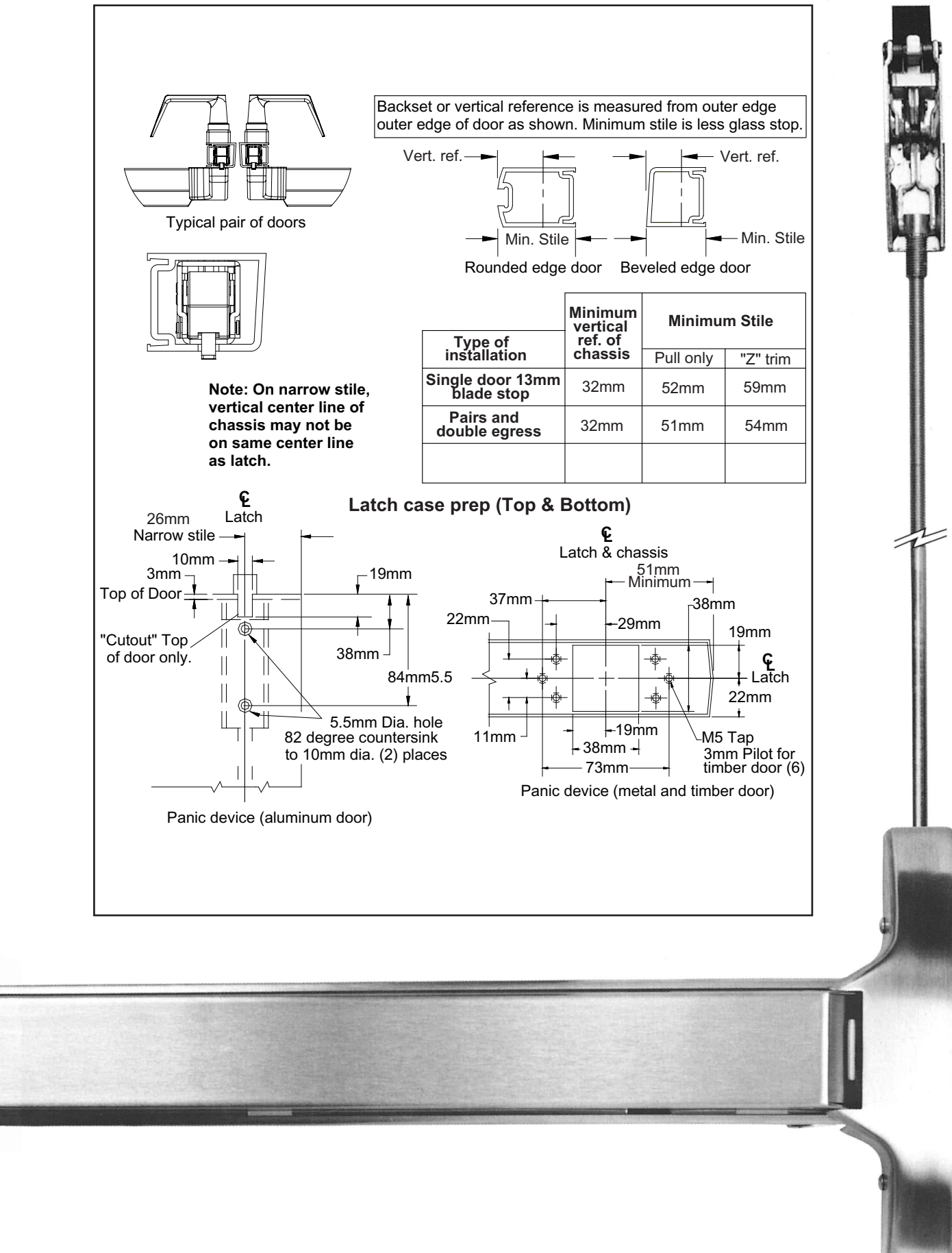
### Latch case prep (Top & Bottom)



Panic device (aluminum door)



Panic device (metal and timber door)



### OPTIONAL ELECTRIC FUNCTIONS

#### Electric Latchbolt Retraction – Specify suffix **ES**.

A solenoid concealed in the touchbar assembly provides instantaneous retraction of the latchbolt to provide access from the secure side of the door. Remote control can be accomplished with switching devices such as key switches, card readers, etc., that provide a normally open or closed electrical contact. The solenoid is rated for continuous duty, 32V, 14–18 Amp inrush for 200 milliseconds, 1 Amp holding current.

- Size “AA” device fits 1220mm wide door, can be cut to door 838mm wide on site

- Size “BB” device fits 915mm wide door, can be cut to door 686mm wide on site

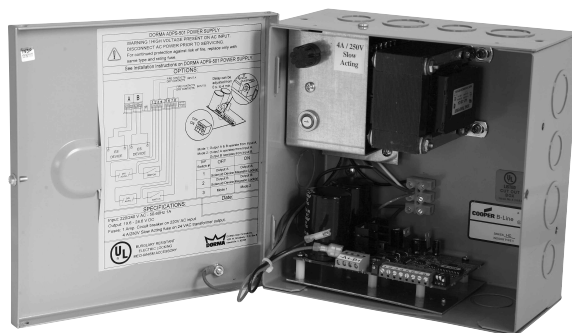
**Monitor Switch** – Specify suffix **MS**. A micro switch in the touchbar assembly which provides local and/or remote notification when the touchbar is depressed. 2 single pole double throw switches, 0.50 Amp 28VDC.

**Latch Monitor** – Specify suffix **LM**. A micro switch attached to the device chassis on 9000 Series units only, provides local and/or remote notification of movement of the panic bolt rods and latchbolt without depressing the touchbar.

### ADPS501 POWER SUPPLY

The ADPS501 Power Supply has an inbuilt delay module and is capable of powering and controlling (2) 9000 Series Panic Devices with the ES Electronic Latchbolt Retraction feature.

- Input: 220-240V AC@ 50-60 Hz – 1 Amp circuit breaker  
One dry contact and one wet contact (12-24V DC input) for each output
- Output: 19.6 – 34.5V DC – 4 Amp/250V Slow Blow Fuse  
Solenoid inrush current: 14-18 Amp for 0.20 seconds then 1 Amp holding current
- **Minimum** recommended wire size is 18#GA (1.02mm).  
Terminals will handle up to 12#GA (2.05mm)
- **Maximum** wire run distance is 30m between device and ADPS501 power supply with 12#GA wire

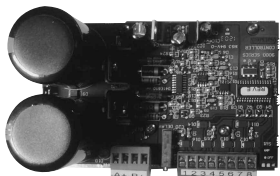


- **Maximum** wire length from power supply to device and back in metres/wire gauge

18#GA = 7.5m	16#GA = 15m	14#GA = 22.5m	12#GA = 30m
1.02mm	1.29mm	1.63mm	2.05mm

### ES2 POWER SUPPLY CARD

ES2 Power Supply card can be added to the ADPS501 to allow the use of 2 further ES units (4 in total).



### ES103 RELAY MODULE

The ES103 optional relay module is a double pole, double throw relay with screw terminal connections. This coil rating is 24V DC, 0.025 Amp. The contact rating is 2.0 Amp at 30V DC.

Relays may be wired in parallel if additional contacts are required. This relay may be required to signal other systems such as an automatic door operator.

### BATTERY ALARM PANIC DEVICE

9000 Series panic devices are available in an integral battery powered alarm configuration. The 90 decibel alarm contained in the panic device touchbar and rail assembly activates when the touchbar is depressed and sounds continuously until the battery is completely discharged. Alternatively, a factory-furnished option allows the alarm to sound for four minutes, then automatically re-arms.

Furnished with and controlled by a lock cylinder and key, the unit allows ten seconds to exit through the door after arming the alarm, indicated by an intermittently flashing red L.E.D. light in the touchbar. A yellow L.E.D. in the touchbar will flash, until manually reset by key, to indicate an unauthorised exit even if the alarm has automatically reset.

The unit is furnished with a 9-Volt, industrial grade battery concealed in the end cap assembly for easy replacement. A tamper-proof switch will activate the alarm if unauthorised removal of the battery is attempted. An option for 12- or 24-Volt direct power wiring is available.

- Specify suffix “**BPA**” to 9000 Series model number for Battery Alarm Device
- Specify suffix “**BPAR**” for 4 minute auto reset Battery Alarm Device
- Specify suffix “**DWA**” for direct hard-wired option
- Size “AA” device fits 1220mm wide door, can be cut to door 864mm wide on site
- Size “BB” device fits 915mm wide door, can be cut to door 712mm wide on site



**BATTERY ALARM DEVICE**

**OUTSIDE ENTRY FUNCTIONS & OPERATING TRIM**

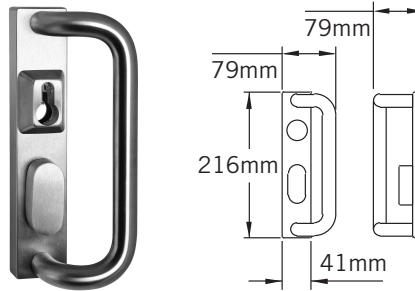
9000 Series panic devices are available with a variety of outside entry functions and operating trim, including knob and lever sets.

Specific type cylinder requirement varies by the function selected. Refer to the details specified with each trim and function outlined below. Cylinders are not included.

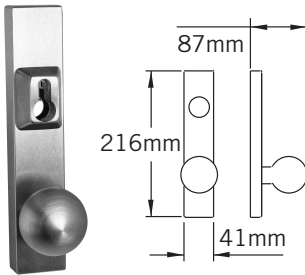
**Function 11-Entrance by thumbturn and pull** – Key locks or unlocks thumbturn.

**Function 12-Entrance by thumbturn and pull only when released by key** – Key removable only when locked.

ZP11/ZP12



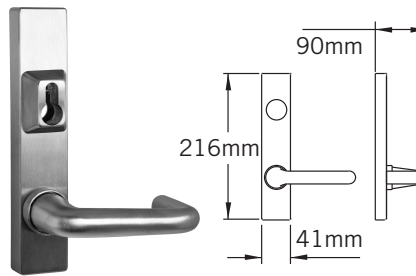
ZK08/ZK09



**Function 08-Lockable Knob** – Key locks or unlocks knob which retracts latchbolt.

**Function 09-Lockable Knob** – Same as 08 function but key removable only when locked.

ZT08/ZT09

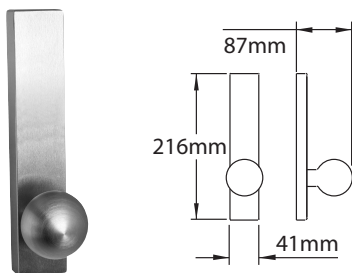


**Function 08-Lockable Lever** – Key locks or unlocks lever which retracts latchbolt.

**Function 09-Lockable Lever** – Same as 08 function but key removable only when locked.

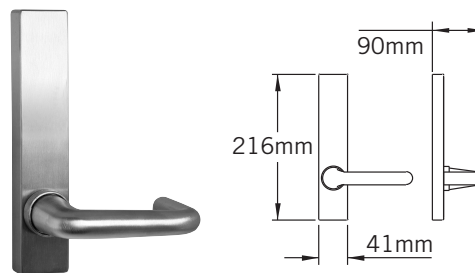
Note: Both 08 and 09 functions are provided with each knob or lever set and the choice of function is determined at installation by assembling the appropriate locking tab on the trim.

ZK23



**Function 23-Active Knob** – Knob retracts latchbolt, always unlocked.

ZT23



**Function 23-Active Lever** – Lever retracts latchbolt, always unlocked.

**SPECIFICATIONS**

9700 rim panic latch with heavy duty, full door width touchbar, deadlocking stainless steel latchbolt, and hex key dogging.

9800 surface panic bolt with heavy duty, full door width touchbar, top deadlocking pullman type latchbolt, bottom slide bolt, and hex key dogging.

9600 concealed panic bolt with heavy duty full door width touchbar, top deadlocking pullman type latchbolt, bottom slide bolt, and hex key dogging.

**OPTIONS**

- CD Cylinder Dogging
- LD Less Dogging
- ES Electric Latchbolt Retraction
- MS Monitor Switch in Touchbar
- LM Latchbolt Monitor
- BPAR Battery Alarm Device (time-limited alarm)
- BPA Battery Alarm Device (continuous alarm)
- DWA Battery Alarm Device (direct wired)
- P Clear Powder Coat (anti-corrosive)
- M Anti-microbial Protected Coating

**FINISHES DESCRIPTION**

**STANDARD FINISHES**

<u>Designation</u>	<u>Panic Device</u>	<u>Outside Trim</u>
605	Polished, lacquered brass	Polished, lacquered brass
625	Polished chrome	Polished chrome
630	Satin stainless steel	Knob/Lever: Satin stainless steel Escutcheon: Satin nickel

**OPTIONAL FINISHES**

<u>Designation</u>	<u>Panic Device</u>	<u>Outside Trim</u>
606	Satin, lacquered brass	Satin, lacquered brass
611	Polished, lacquered brass	Polished bronze
612	Satin, lacquered bronze	Satin bronze
613	Satin, dark oxidised, oil rubbed bronze	Satin, dark oxidised, oil rubbed bronze

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