

HL Series

Push/Pull Trim



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ANSI Grade 1
Specialty Hardware **HL** Series

Push/Pull Trim

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Introduction

The Pull/Push Trim offers an alternative yet convenient way to open doors and provides a solution when hands are not available to open the doors in the conventional way. Its paddle-shaped handle is designed to enable door access without the need of holding onto it, suitable for environments such as healthcare centers and hospitals.

The HL Series Push/Pull Trims have been tested and comply with the strictest standards requirements of ANSI/BHMA and are UL listed for 3-hour fire rating. They are easy to install and are through-bolted to provide stability, utility and simplicity yet ensure that the highest standards of safety and security are met.

The HL Series Trims are provided by I-TEK Metal Manufacturing Co. and are the result of I-TEK's 50 years of lock design and manufacturing experience. Outreaching the most demanding requirements and customer needs are our top priority and it is our responsibility to bring the highest quality products to our customers.



HL200 Push/Pull Trim

For use with Mortise Latch

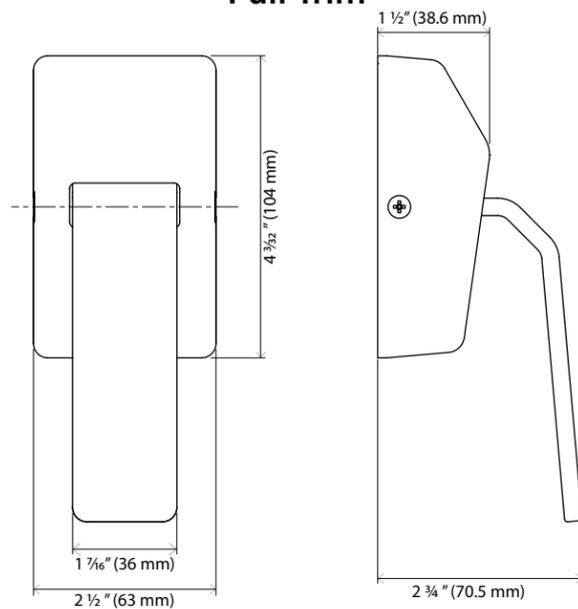


- Field reversible; mounting position can be adjusted according to distinctive needs.
- Conforms to ANSI/BHMA A156.2 Grade 2 Operational and Security.
- UL Listed for 3-Hour fire rating.
- Latch lengths of 2-3/8", 2-3/4" and 5" available.
- Suitable for door thickness ranges between 1-3/8"~2" without changing or adding additional mounting screws.

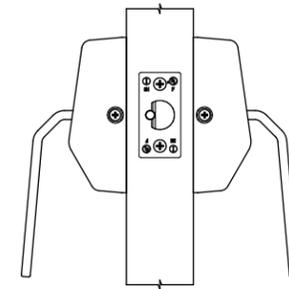
Specifications

Door Range	• 1-3/8" (35 mm)~2" (50.8 mm).
Backset	• 2-3/8" (60 mm), 2-3/4" (70 mm), 5" (127 mm).
Strike	• Standard Strike (#B27 1.5 mm). • ANSI Strike available (#D27).
Latch Face	• Faceplates width 1" or 1-1/8"
Certification	• ANSI/BHMA A156.2 Grade 2 operational and security. UL Listed for 3-Hour fire rating.
Handing	• Non-handed.
Spindle	• Breakable to prevent the lock case from unlocking or being damaged.
Finishes	• 605, 606, 611, 612, 613, 625, 626, 630.

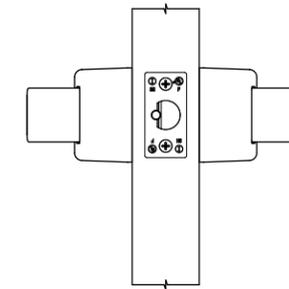
Pull Trim



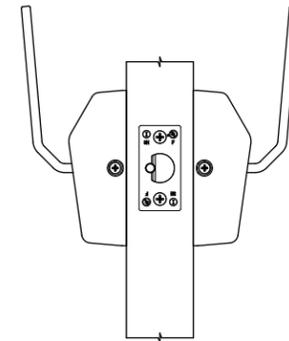
Mounting Positions



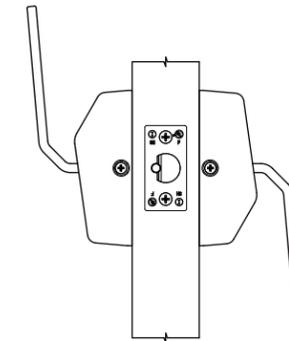
Paddles Down



Horizontal
(either Push/Pull)



Paddles Up

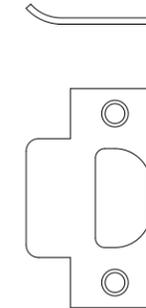


Paddle Up/Down
(either Push/Pull)

Strikes



D27
ANSI Strike
4-7/8" x 1-1/4"
Lip Length 1-3/16"



B27
T-Strike
2-3/4" x 1-1/8"
Lip Length 1-1/8"

HL400 Pull Trim

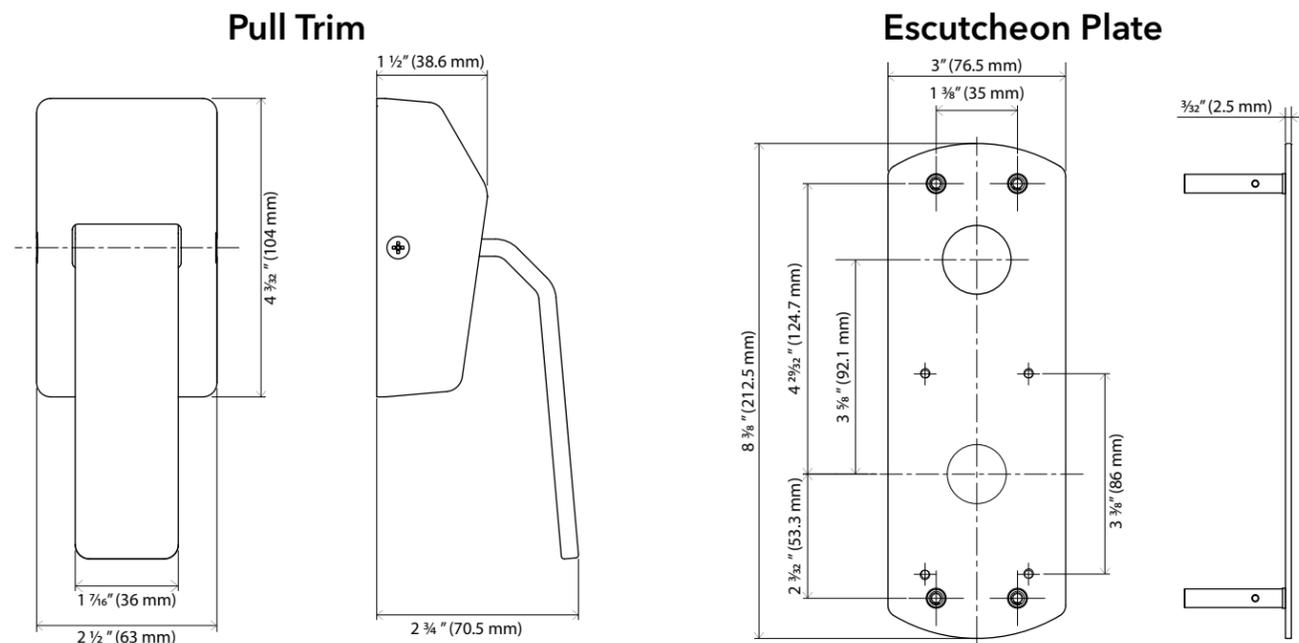
For use with Exit Devices



- For application with existing I-TEK 1400/F1400 Mortise Lock Exit Devices.
- Conforms to ANSI/BHMA A156.3 Grade 1.
- UL Listed for 3-Hour fire rating.
- Ease of installation. Perfect door prep with same mounting screw hole positions that match those of the mortise lock case.
- Pull trim available only.

Specifications

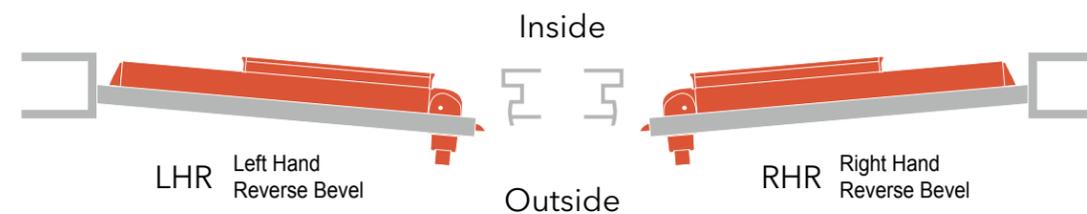
Door Range	• 1-3/4" (45 mm)~2-1/4" (57 mm).
Backset	• 2-3/4" (70 mm) (used with 1400/F1400 Mortise Lock Exit Device).
Certification	• ANSI/BHMA A156.3 Grade 1. • UL Listed for 3-Hour fire rating.
Handing	• Specify handing when ordering.
Spindle	• Breakable to prevent the lock case from unlocking or being damaged.
Finishes	• 605, 606, 611, 612, 613, 625, 626, 630.



Functions

Function Code Number	Paddle orientation	Mortise Cylinder	Description
HL408-LHR	DOWN	Standard 1-1/8" I/C 1-3/8"	Key Locks Unlocks Latchbolt
HL414-LHR	DOWN	N/A	Paddle Always Operable
HL414-LHR	UP	N/A	Paddle Always Operable
HL408-RHR	DOWN	Standard 1-1/8" I/C 1-3/8"	Key Locks Unlocks Latchbolt
HL414-RHR	DOWN	N/A	Paddle Always Operable
HL414-RHR	UP	N/A	Paddle Always Operable

Handing of doors



HL400 is handed - specify when ordering.

HL600 Push/Pull Trim

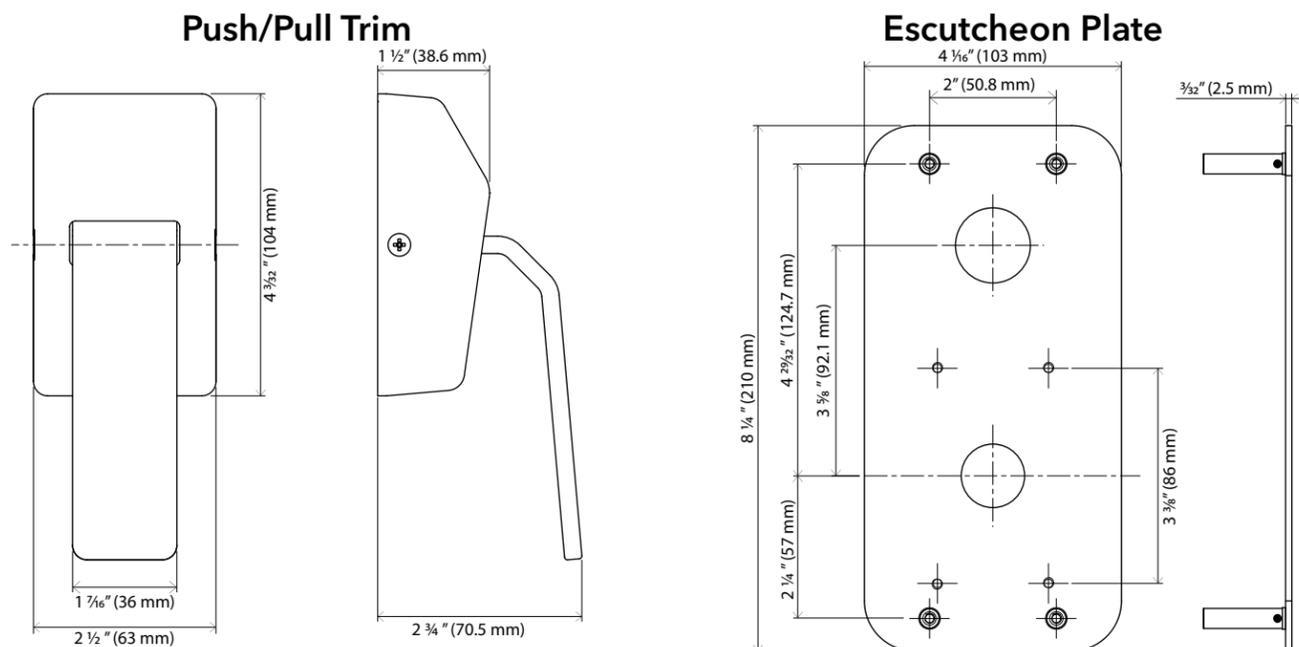
For use with Mortise Locks



- For application on Mortise Escutcheon and Mortise Sectional Locks.
- Conforms to ANSI/BHMA A156.13 Grade 1.
- UL Listed for 3-Hour fire rating.
- Ease of installation. Perfect door prep with same mounting screw hole positions that match those of the mortise lock case.
- Wide range of functions available to choose from.

Specifications

Door Range	• 1-3/4" (45 mm)–2-1/2" (64 mm).
Backset	• 2-3/4" (70 mm) (used with M Series Mortise Locks).
Certification	• ANSI/BHMA A156.13 Grade 1. • UL Listed for 3-Hour fire rating.
Trim Handing	• Non-handed.
Case Handing	• Field reversible without removing case.
Spindle	• Breakable to prevent the lock case from unlocking or being damaged.
Spacing	• 3-5/8" (92 mm) center cylinder to spindle. 2-2/16" (62 mm) center thumbturn to spindle.
Case Size	• 4-5/15" x 6" x 1" (110 mm x 152 mm x 25 mm).
Deadbolt	• 1" (25 mm) throw, stainless steel.
Latchbolt	• 3/4" (19 mm) throw, with anti-friction tongue, all stainless steel.
Door Preparation	• Conforms to ANSI A115.1.
Finishes	• 605, 606, 611, 612, 613, 625, 626, 630.



Cylinder

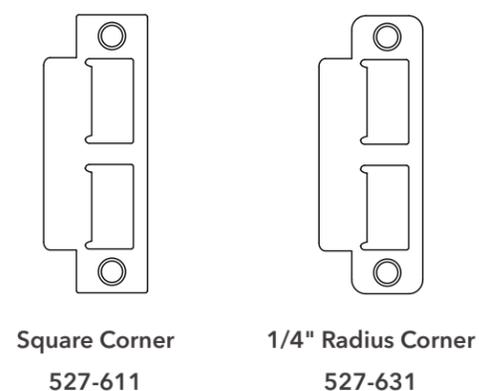
Illustration	Face	Length						
		1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-5/8"	1-3/4"	1-7/8"
	Full-face Standard	441-102	441-103	441-104	441-105	441-106	441-107	441-108
	Concealed Standard	441-402	441-403	441-404	441-405	441-406	441-407	441-408
	Full-face I/C Core	N/A	442-601	442-701	442-702	N/A	N/A	N/A
	Concealed I/C Core	N/A	442-801	442-901	442-902	N/A	N/A	N/A

Armor front (Faceplates)

Made of brass, bronze or stainless steel, available with square corner or 1/4" radius corner. Complete unit of armor front supplied with screws. Ordering info for ordering the armor front separately are listed below.

Illustration	Square Corner		1/4" Radius Corner		Description
	1-1/4" (32mm) Width	1-1/16" (27mm) Width	1-1/4" (32mm) Width	1-1/16" (27mm) Width	
	#528-711	#528-731	#528-721	#528-741	Latch x Aux. Latch x Deadbolt
	#528-712	#528-732	#528-722	#528-742	Latch x Aux. Latch
	#528-713	#528-733	#528-723	#528-743	Latch x Deadbolt
	#528-714	#528-734	#528-724	#528-744	Latch
	#528-715	#528-735	#528-725	#528-745	Blank
	#528-716	#528-736	#528-726	#528-746	Deadbolt

Strikes



Non-handed, made of brass, bronze or stainless steel. Available with square corner or 1/4" radius corner. Complete strike unit supplied with strike box and screws. Custom lip lengths at 1/8" (3mm) increments available.

Functions

Keyed Locks

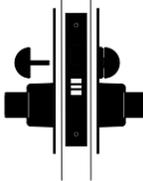
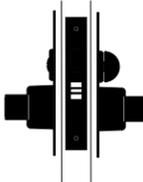
Function Code Number	Description	ANSI/ BHMA
Without Deadbolt		
HL9000	<p>Office and inner Entry lock</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side unless outside is made inoperative by key outside or inside thumbturn. When outside is locked, latchbolt is retracted by key outside or by Paddle inside. Outside Paddle remains locked until thumbturn is returned to vertical Position or unlocked by key. Auxiliary latch deadlocks latchbolt when door is closed. Inside Paddle is always free for immediate exit. 	F04
HL9003	<p>Classroom Lock</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side unless outside is locked by key. Outside is unlocked from outside by key. Inside Paddle always free for immediate exit. Auxiliary latch deadlocks latchbolt when door is closed. 	F05
HL9006	<p>Apartment Entrance Lock*</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side unless outside is locked by key from inside. When locked, latchbolt retracted by key outside or Paddle inside. Auxiliary latch deadlocks latchbolt when door is closed. Inside Paddle is always free for immediate exit. 	F09
HL9013	<p>Classroom Security Lock*</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side unless locked by key from either side. When locked, latchbolt is retracted by key outside or Paddle inside. Inside Paddle is always free for immediate exit. Auxiliary latch deadlocks latchbolt when door is closed. 	

*Caution : Double cylinder locks on residences and any door in any structure which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

Function Code Number	Description	ANSI/ BHMA
With Deadbolt		
HL9400	<p>Dormitory/Bedroom Lock</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side. Deadbolt is thrown or retracted by key outside or thumbturn inside. 	F21
HL9401	<p>Entrance Lock</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side unless outside is locked by 20 X rotation of thumbturn. Deadbolt is thrown or retracted by 90 X rotation of thumbturn. When locked, key outside or Paddle inside retracts deadbolt and latchbolt simultaneously. Outside Paddle remains locked until thumbturn is restored to vertical position. Throwing deadbolt automatically locks outside Paddle. Auxiliary latch deadlocks latchbolt when door is closed. Inside Paddle is always free for immediate exit. 	F20
HL9402	<p>Storeroom/Utility Room Lock*</p> <ul style="list-style-type: none"> Latchbolt retracted by Paddle from either side. Deadbolt is thrown or retracted by key from either side. 	F14
HL9403	<p>Classroom Lock with Deadbolt</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side. Deadbolt is thrown or retracted from outside by key. Throwing deadbolt locks outside Paddle. Turning inside Paddle simultaneously retracts deadbolt and latchbolt and unlocks outside Paddle. 	
HL9408	<p>Corridor Lock</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side. Deadbolt is thrown or retracted by key outside or inside thumbturn. Throwing deadbolt locks outside Paddle. Turning inside Paddle simultaneously retracts deadbolt and latchbolt and unlocks outside Paddle. Inside Paddle is always free for immediate exit. 	F13
HL9413	<p>Classroom Security Lock with Deadbolt*</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side. Deadbolt is thrown or retracted by key from either side. Throwing deadbolt locks outside Paddle. Turning inside Paddle simultaneously retracts deadbolt and latchbolt and unlocks outside Paddle. Inside Paddle is always free for immediate exit. 	
HL9430	<p>Closet/Storeroom Lock</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side. Deadbolt is thrown or retracted by key outside. 	

*Caution : Double cylinder locks on residences and any door in any structure which is used for egress are a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

Non-Keyed Locks

Function Code Number	Description	ANSI/ BHMA
Without Deadbolt		
HL9020	 <p>Bath/Bedroom Privacy Lock</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side unless outside is locked by inside thumbturn. Turning inside Paddle or closing door unlocks outside Paddle. To unlock from outside, remove emergency button (615617-010), insert emergency key (615625-060 furnished) in access hole and rotate. 	F22
HL9021	 <p>Privacy with Coin Turn Outside</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side unless outside is locked by inside thumbturn or outside coin turn. Operating inside Paddle, closing door, rotating inside thumbturn or outside coin turn unlocks outside Paddle. Available with rose trim only. 	
HL9030	 <p>Passage Latch</p> <ul style="list-style-type: none"> Latchbolt retracted by Paddle from either side at all times. 	F01
With Deadbolt		
HL9420	 <p>Privacy with Deadbolt</p> <ul style="list-style-type: none"> Latchbolt is retracted by Paddle from either side. Deadbolt is thrown or retracted by inside thumbturn. Throwing deadbolt locks outside Paddle. Rotating inside Paddle simultaneously retracts deadbolt and latchbolt and unlocks outside Paddle. To unlock from outside, remove emergency button (615617-010), insert emergency key (615625-060 furnished) in access hole and rotate. 	
HL9421	 <p>Privacy with Deadbolt and Coin Turn Outside</p> <ul style="list-style-type: none"> Latchbolt retracted by Paddle from either side. Deadbolt is thrown or retracted by inside thumbturn or outside coin turn. Throwing deadbolt locks outside Paddle. Rotating inside Paddle simultaneously retracts deadbolt and latchbolt and unlocks outside Paddle. Rotating outside coin turn retracts deadbolt and unlocks outside Paddle. Lost motion function allows exterior Paddle to rotate freely down while remaining securely locked. 	



How to Order

HL200

Device	Ordering Example		
	HL200	630	B27
Model HL200			
Finish			
605 (US3)	611 (US9)	613 (US10B)	626 (US26D)
606 (US4)	612 (US10)	625 (US26)	630 (US32D)
Strikes (see page 4)			
	B27 T-Strike		D27 ANSI Strike

HL400

Device	Ordering Example			
	HL408	RHR	0	630
Model HL408 Paddle orientation down HL414 Paddle orientation up				
Handing LHR Left hand Reverse Bevel RHR Right hand Reverse Bevel				
Cylinder				
	0 Less Cylinder	1 Standard 1-1/8"	2 I/C 1-3/8"	
Finish				
605 (US3)	611 (US9)	613 (US10B)	626 (US26D)	
606 (US4)	612 (US10)	625 (US26)	630 (US32D)	

Mortise Cylinder not required for HL414.

HL600

Device	Ordering Example						
	HL	9000	630	1	441-102	528-711	527-611
Model HL							
Function Code (see page 9)							
Finish							
605 (US3)	611 (US9)	613 (US10B)	626 (US26D)				
606 (US4)	612 (US10)	625 (US26)	630 (US32D)				
Core							
	0 Less Cylinder Housing	2 I/C Full Face with Core	4 I/C Concealed with Core				
	1 6 Pin STD Cyl.	3 I/C Full Face Less Core	5 I/C Concealed Less Core				
Cylinder Length (see page 8)							
Armor front (see page 8)							
Strikes (see page 8)							

Warranty

I-TEK warrants to the original purchaser that all products manufactured and provided by it shall be free of defects in material and workmanship regarding Mechanical Locks (5 years), Electrified Products (1 year) and finishes (1 year). The present warranty does not cover scratches, abrasions, deterioration due to the use of paints, solvents and other chemicals, normal wear and tear, abuse or any damage caused by improper installation or misuse of the product. Furthermore, the cost incurred in removing and installing a replacement product is not included in the warranty. Upon return of a defective product, I-TEK may repair or replace the product.

Any retrofit or other field modification to a fire-rated opening can potentially impact the fire rating of the opening, and I-TEK Metal Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority having jurisdiction) to ensure compliance with all applicable codes and ratings.

Note:

- Warranty is not applied for devices installed in educational facilities and student dormitories.
- The warranty becomes effective from the date of shipment.