INLINE® Stainless Steel Instrumentation Enclosures

■ INLINE® window door enclosures
UL 508A, 508, File No. E61997: Type 4,
Type 4X, and Type 12
NEMA/EEMAC Type 4, Type 4X and
Type 12
CSA File No. LR42186: Type 4, Type 4X,
and Type 12
VDE IP66
IEC 60529, IP55

Accessories

DIN Rail or Panel Mounting Bracket
DIN3 Rails
Grounding Kit
Key Inserts
Mounting Bracket Kit
Panels
Wing Knob Latch

Modification Services Program

You can customize this product to your unique requirements by specifying from these options:

• Holes and cutouts in body, doors, subpanels
• Tapped holes in subpanels
• Fasteners, mounting channel in enclosure and subpanel
• Mounting (adds and deletes)
• Doors
• Subpanels
• Standard accessories

For details, see Modification Services at hoffmanonline.com.
To order, contact your local Hoffman sales representative.

For information about modifications outside the scope of the Modification Services program, contact your Hoffman sales representative.

Application

INLINE® enclosures house and protect sensitive electrical or electronic components from harsh, dirty environments. For use in installations where dirt, dust, oil, water, or other contaminants are present. Streamlined styling, flush latching, and an attractive, durable finish complement high-tech electronic equipment. INLINE® window enclosures are uniquely suited to protect field bus components and other instrumentation devices.

Construction

• 16 gauge or 14 gauge Type 304 or Type 316L stainless steel
• Seams continuously welded and ground smooth
• Body flange trough excludes liquids and contaminants; flange directs liquids away from the enclosure opening
• Large perimeter opening facilitates component installation, maintenance, or conversion
• Fastening holes in back of body for direct mounting or optional external mounting brackets
• Seamless foam-in-place gasket on standard models provides oil-tight and dust-tight seal against contaminants
• M6 bonding provision provided on cover or door
• M6 grounding stud provided on body
• Furnished hardware kit consists of panel mounting screws, grounding hardware, and sealing washers for wall-mounting holes
• Installation instructions for enclosure and accessories are provided
• Optional 12 gauge (2.7mm) panels are available

INLINE® screw cover enclosures
• Captivated Type 316 stainless steel cover screws with sealing bushings made of a durable composite material
• Integral compression stops maintain optimal gasket compression

US Patent 5,683,005: DIN Rail/Panel Mounting Bracket

INLINE® hinged door enclosures
• 180-degree door opening
• Removable hinge pins (Type 316 stainless steel)
• Standard self-grounding quarter-turn Type 316 stainless steel latch system with double seal provides maximum protection against contamination

INLINE® window door enclosures
• 3/16-inch (4.8mm) clear polycarbonate window is mounted flush with cover surface
• 180-degree door opening
• Removable Type 316 stainless steel hinge pins
• Standard self-grounding slotted quarter-turn Type 316 stainless steel latch system with double seal provides maximum protection against contamination

Finish

Enclosures are unpainted. Cover and body have smooth #4 brushed finish.

Optional steel subpanels are available in conductive galvanized or white enamel finish.

Industry Standards

Mounting brackets required to meet UL/CSA external mounting requirements.

■ INLINE® screw cover enclosures
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NEMA/EEMAC Type 4, Type 4X, and Type 12
CSA File No. LR42186: Type 4, Type 4X, and
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■ INLINE® hinged door enclosures
UL 508A, 508, File No. E61997: Type 4,
Type 4X, and Type 12
NEMA/EEMAC Type 4, Type 4X, and Type 12
CSA File No. LR42186: Type 4, Type 4X, and
Type 12
VDE IP66
IEC 60529, IP66

Standard Sizes INLINE® Stainless Steel Screw Cover Enclosures

Type 304 Catalog Number	Type 316L Catalog Number	Enclosure Size A x B x C	* Steel Panel Catalog Number	*Galvanized Panel Catalog Number	Panel Size D x E	Mounting G x H	F
LSC151512SS	LSC151512SS6	150 x 150 x 120 (5.91 x 5.91 x 4.72)	LP1515	LP1515G	131 x 131 (5.16 x 5.16)	132 x 85 (5.20 x 3.35)	105 (4.13)
LSC201512SS	LSC201512SS6	200 x 150 x 120 (7.87 x 5.91 x 4.72)	LP2015	LP2015G	181 x 131 (7.13 x 5.16)	182 x 85 (7.17 x 3.35)	105 (4.13)
LSC252015SS	LSC252015SS6	250 x 200 x 150 (9.84 x 7.87 x 5.91)	LP2520	LP2520G	231 x 181 (9.09 x 7.13)	232 x 135 (9.13 x 5.31)	135 (5.31)
LSC302515SS	LSC302515SS6	300 x 250 x 150 (11.81 x 9.84 x 5.91)	LP3025	LP3025G	281 x 231 (11.06 x 9.09)	282 x 185 (11.10 x 7.28)	135 (5.31)
LSC353020SS	LSC353020SS6	350 x 300 x 200 (13.78 x 11.81 x 7.87)	LP3530	LP3530G	331 x 281 (13.03 x 11.06)	332 x 235 (13.07 x 9.25)	185 (7.28)

Standard Sizes INLINE® Stainless Steel Hinged Door Enclosures

Type 304 Catalog Number	Type 316L Catalog Number	Enclosure Size A x B x C	*Steel Panel Catalog Number	* Galvanized Steel Panel Catalog Number	Panel Size D x E	Mounting G x H	F
LHC151512SS	LHC151512SS6	150 x 150 x 120 (5.91 x 5.91 x 4.72)	LP1515	LP1515G	131 x 131 (5.16 x 5.16)	132 x 85 (5.20 x 3.35)	105 (4.13)
LHC201512SS	LHC201512SS6	200 x 150 x 120 (7.87 x 5.91 x 4.72)	LP2015	LP2015G	181 x 131 (7.13 x 5.16)	182 x 85 (7.17 x 3.35)	105 (4.13)
LHC252015SS	LHC252015SS6	250 x 200 x 150 (9.84 x 7.87 x 5.91)	LP2520	LP2520G	231 x 181 (9.09 x 7.13)	232 x 135 (9.13 x 5.31)	135 (5.31)
LHC302515SS	LHC302515SS6	300 x 250 x 150 (11.81 x 9.84 x 5.91)	LP3025	LP3025G	281 x 231 (11.06 x 9.09)	282 x 185 (11.10 x 7.28)	135 (5.31)
LHC353020SS	LHC353020SS6	350 x 300 x 200 (13.78 x 11.81 x 7.87)	LP3530	LP3530G	331 x 281 (13.03 x 11.06)	332 x 235 (13.07 x 9.25)	185 (7.28)

Standard Sizes INLINE® Stainless Steel Window Door Enclosures

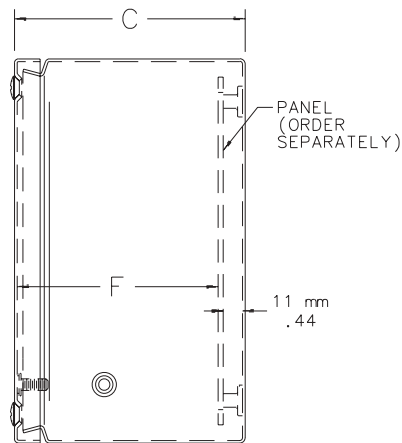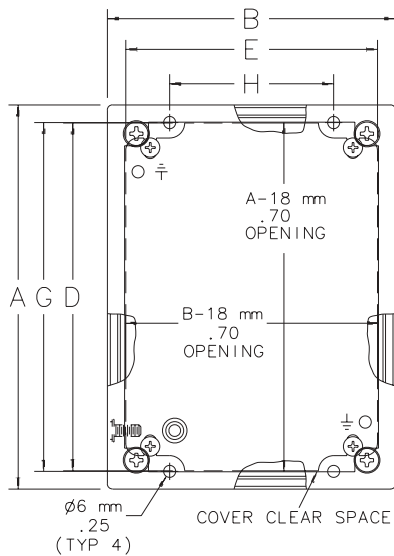| Type 304 Catalog Number	Type 316L Catalog Number	Enclosure Size A x B x C	*Steel Panel Catalog Number	*Galvanized Panel Catalog Number	Panel Size D x E	Mounting G x H	Window Size M x N	F
LWC201512SS	LWC201512SS6	200 x 150 x 120 (7.87 x 5.91 x 4.72)	LP2015	LP2015G	181 x 131 (7.13 x 5.16)	182 x 85 (7.17 x 3.35)	149 x 65 (5.87 x 2.56)	101 (3.98)
LWC252015SS	LWC252015SS6	250 x 200 x 150 (9.84 x 7.87 x 5.91)	LP2520	LP2520G	231 x 181 (9.09 x 7.13)	232 x 135 (9.13 x 5.31)	199 x 115 (7.83 x 4.53)	131 (5.16)
LWC302515SS	LWC302515SS6	300 x 250 x 150 (11.81 x 9.84 x 5.91)	LP3025	LP3025G	281 x 231 (11.06 x 9.09)	281 x 185 (11.06 x 7.28)	249 x 165 (9.80 x 6.50)	131 (5.16)
† LWC204015SS	LWC204015SS6	200 x 400 x 150 (7.87 x 15.75 x 5.91)	LP2040	—	181 x 381 (7.13 x 15.00)	182 x 335 (7.17 x 13.19)	115 x 349 (4.53 x 13.74)	131 (5.16)
† LWC206015SS	LWC206015SS6	200 x 600 x 150 (7.87 x 23.62 x 5.91)	LP2060	—	181 x 581 (7.13 x 22.87)	182 x 535 (7.17 x 21.06)	115 x 549 (4.53 x 21.61)	131 (5.16)

Inch dimensions in ( ).

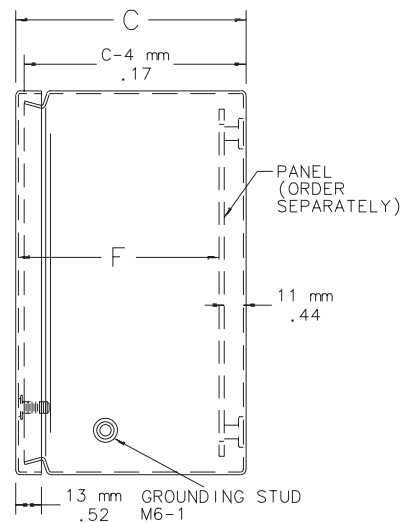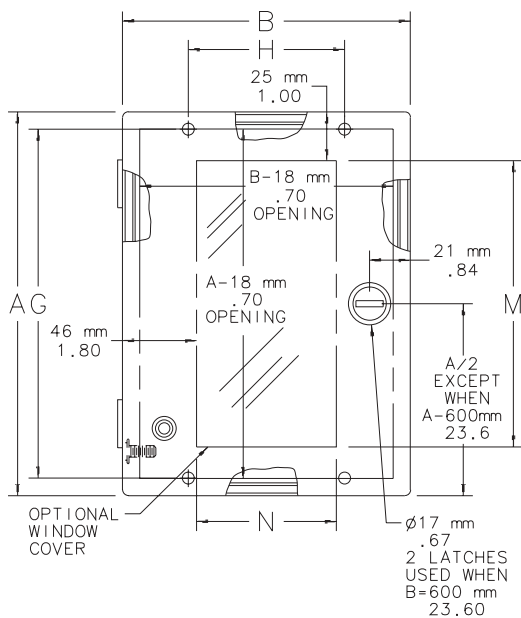* Panels must be ordered separately.

† Hinged on side "B" of enclosure.

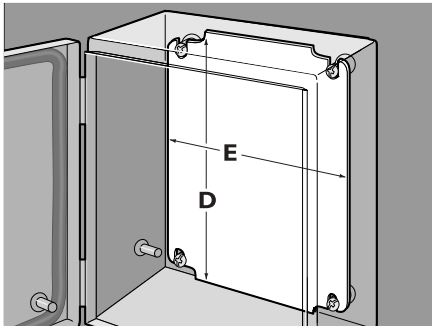■ **INLINE® Stainless Steel Screw Cover Enclosure**

11C59187_1

NOTE: 1. Panels are 2.7mm (12 gauge) steel.
2. Panel screws are M5-0.8 pan head.
3. Rear mounting holes will accommodate M6-1.0 or 1/4-20 UNC mounting screws (supplied by customer).

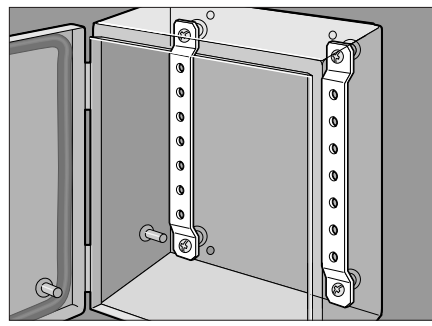■ **INLINE® Stainless Steel Hinged Door and Window Door Enclosures**

11C59187_2

NOTE: Hinged on "B" side of enclosure when B = 400mm or 600mm.

Panels

are 12 gauge white-painted or galvanized steel. Ground hole is labeled. Sized for M6 fastener.
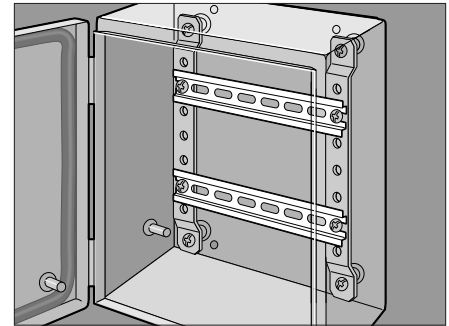
Painted Steel Catalog Number	Galvanized Steel Catalog Number	Panel Size D x E	Fits INLINE Enclosure
LP1515	LP1515G	131 x 131	150 x 150
LP2015	LP2015G	181 x 131	200 x 150
LP2520	LP2520G	231 x 181	250 x 200
LP3025	LP3025G	281 x 231	300 x 250
LP3530	LP3530G	331 x 281	350 x 300
LP2040		181 x 381	200 x 400
LP2060		181 x 581	200 x 600

DIN Rail or Panel Mounting Brackets

provide a mounting framework for installing DIN3 rails or a panel. Rails (or panel) attach to the brackets, and the brackets bolt directly to the enclosure. The bracket is offset to permit additional space in front of or behind mounted equipment. Brackets are zinc plated 10 gauge steel. Mounting hardware included with brackets. Brackets must be purchased to mount DIN3 type rails.
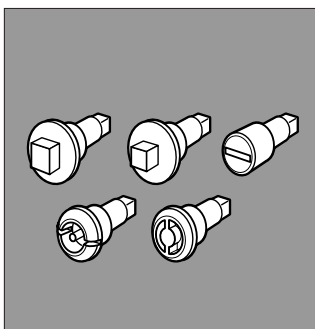
Catalog Number	Fits INLINE® Enclosure
LMK15	when A or B = 150
LMK20	when A or B = 200
LMK25	when A or B = 250
LMK30	when A or B = 300
LMK35	when A or B = 350

DIN3 Type Rails

furnish mounting surfaces for DIN3 mount snap-on devices. Rails attach vertically or horizontally to mounting brackets. Kit includes 4 rails and installation instructions. DIN Rail Mounting Brackets are required in order to mount rails.
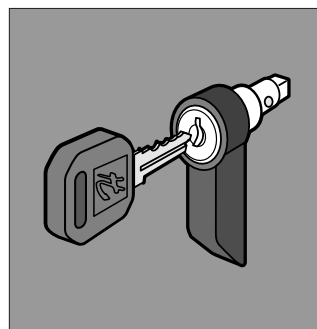
DIN3 Symmetric profile TS35/7.5 Catalog Number	Fits INLINE® Enclosure
LDR3P15	when A or B = 150
LDR3P20	when A or B = 200
LDR3P25	when A or B = 250
LDR3P30	when A or B = 300
LDR3P35	when A or B = 350
LDR3P40	when A or B = 400
LDR3P60	when A or B = 600

Key Inserts

can be substituted for the standard quarter-turn latch on hinged cover and window cover enclosures. Inserts are Type 316 stainless steel.
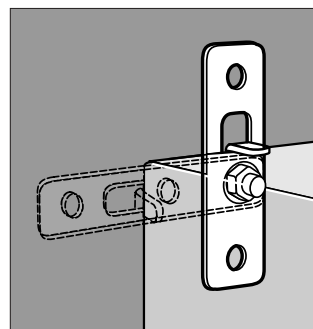
Catalog Number	Description
LLKSM7SS	Square 7mm
LLKSM8SS	Square 8mm
LLKDBSS	Daimler Benz
LLKDBM3SS	Double bit 3mm
LLKSSSS	Slotted screw

Wing Knob Latch

replaces the standard quarter-turn latch on all hinged cover and window cover enclosures. Two keys and installation instructions are furnished. (Latch will not maintain Type 4X rating.)
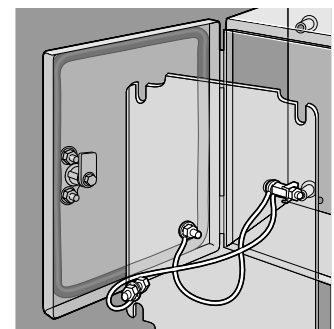
Catalog Number	Description
LLKWK	Black die-cast zinc

Mounting Bracket Kit

Field installable. Type 316L stainless steel. All hardware included. Four brackets per kit.

Catalog Number	Description
LMFKSS	Type 316L stainless steel mounting bracket kit

Grounding Kit

provides a means of attaching a grounding conductor to the enclosure. Kit consists of two copper wires with a ring terminal at each end. Wires are insulated. All installation hardware and instructions are included.

Catalog Number
LLGK