FrameFrog 4 Port Long
Model: FRG4L-001

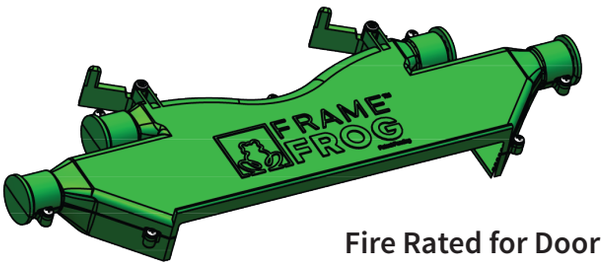
Installation Instructions

Electrified Hardware Back-Box Assembly for Wired Door Hardware

Specifically designed for an easy, professional solution to all electronic access control systems. Replaces the door frame metal mortar box where wired hardware is installed, providing a smooth, seamless pathway while future-proofing door hardware wiring access.

Features

1. Suitable for elecronic locks, strikes, card readers, EPT's, position switches, or any other devices for access control systems.
2. Compatible with hollow metal masonry and drywall type door frames.
3. Four connection points for universal wiring configurations.
4. Limited for Class 2 Single Source power supplies only with system wiring voltage of 30 volts or less.
5. Fits Standard Profile Hollow Metal Frames from 5 3/4" to 9 1/4" in depth.
6. Adjustable Wing Tab for shop or field installation.
7. Removable port caps left in place protect the back box from mortar intrusion.



Fire Rated for Door Frames up to 3 Hours.

TADPOLE PRODUCTS, LLC
FRAME FROG
LISTED FRAME HARDWARE
FIRE RATING ≤ 180 MIN
CONFORMS TO:
UL 10B, UL 10C,
NFPA 252 AND
CAN/ULC S104
QAI COMPONENT C US
QAI FILE F466

Benefits

1. Patented design seamlessly directs a fish tape directly into the connected conduit.
2. Universal "one size fits all" design provides for easy scheduling and job site customization.
3. Divider walls guide a fish tape to your chosen conduit path with the flick of a finger.
4. Wiring pathways are easily accessible through entry point even after construction is complete.
5. Easily fish additional wiring for last minute changes or repairs.
6. Future-proof doors for any potential needed security or data needs.

Key Specifications

Material	ABS Plastic
Number of Ports	4
Max. Frame Opening	9" Long Prep for EPT
PVC Conduit	1/2"
Port Diameter	.871" Inside Diameter
Conduit Size and Type	1/2" PVC (Not Provided)
Frame Depths	5 3/4" to 9 1/4" Depth
Frame Types	Masonry or Drywall
Adhesive	Multipurpose for PVC to ABS Plastic

US Patent and Trademark Office
Patent Nos: 10,411,447 and 10,855,064

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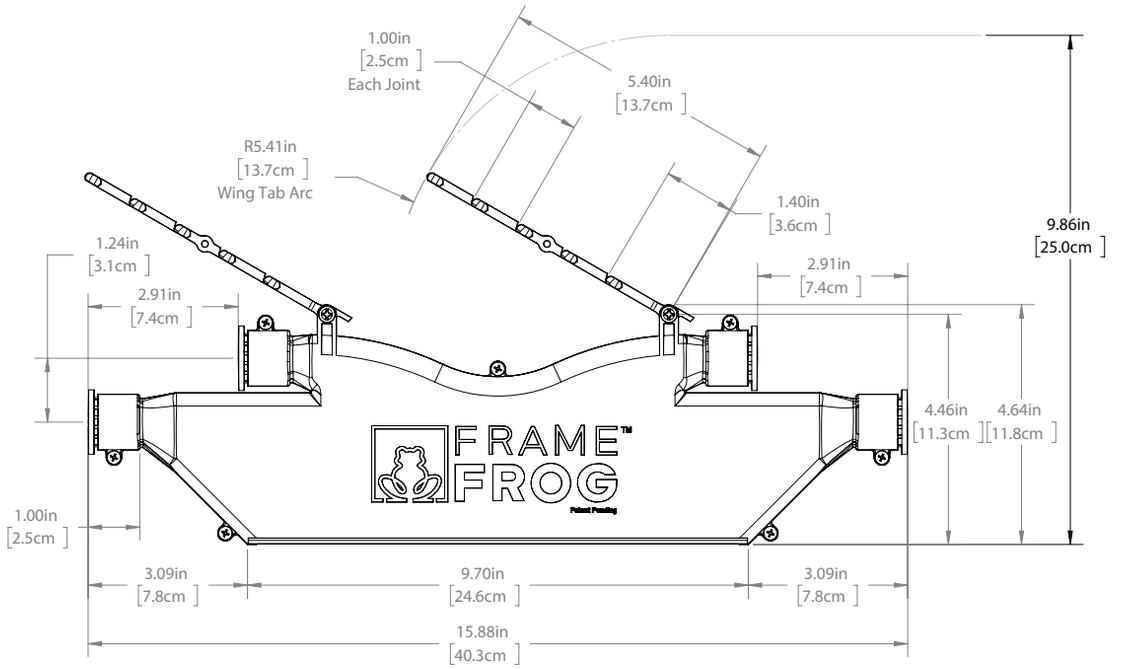
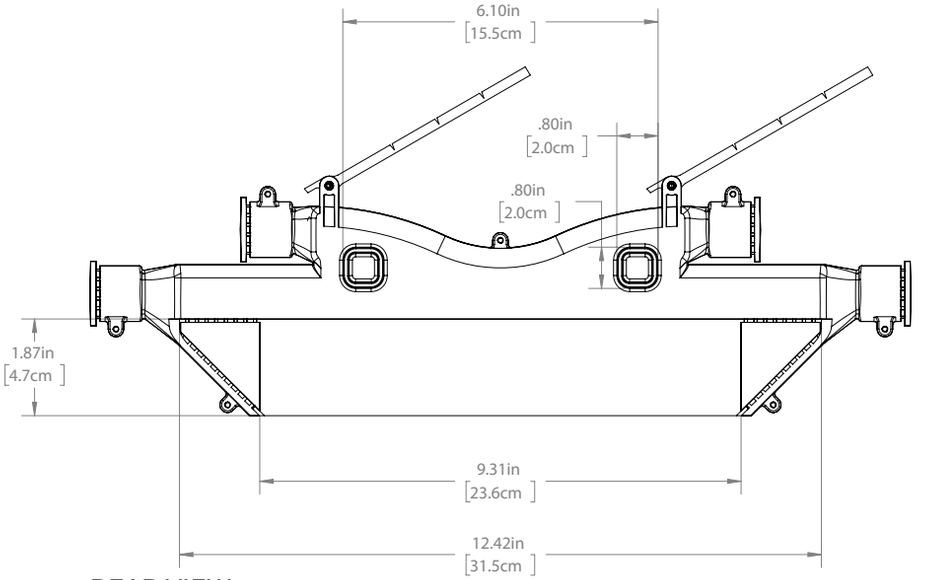
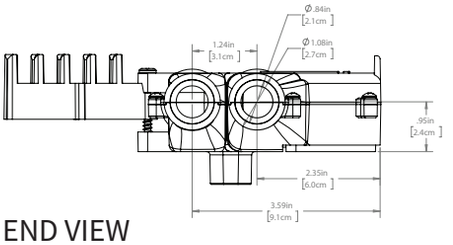


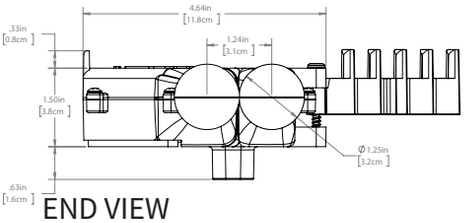
FRONT VIEW



REAR VIEW



END VIEW



END VIEW

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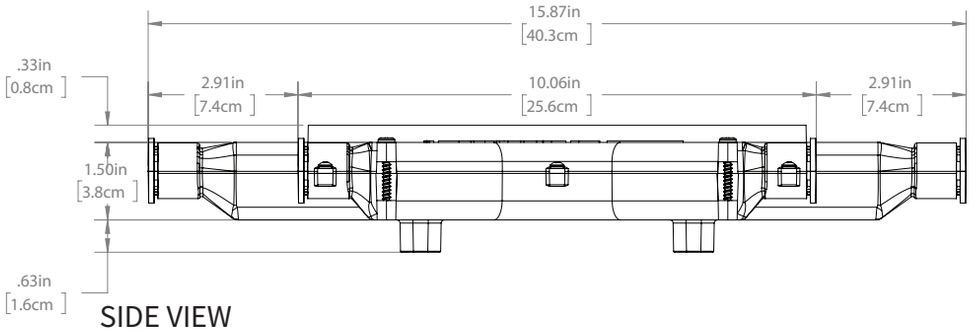
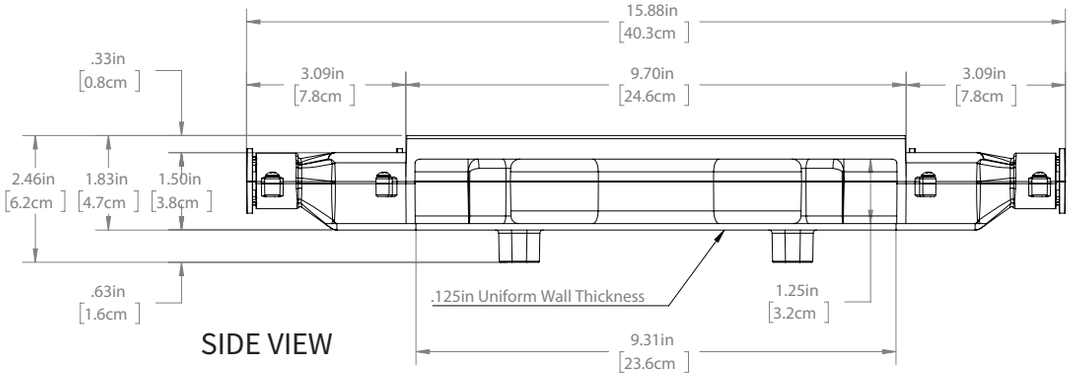
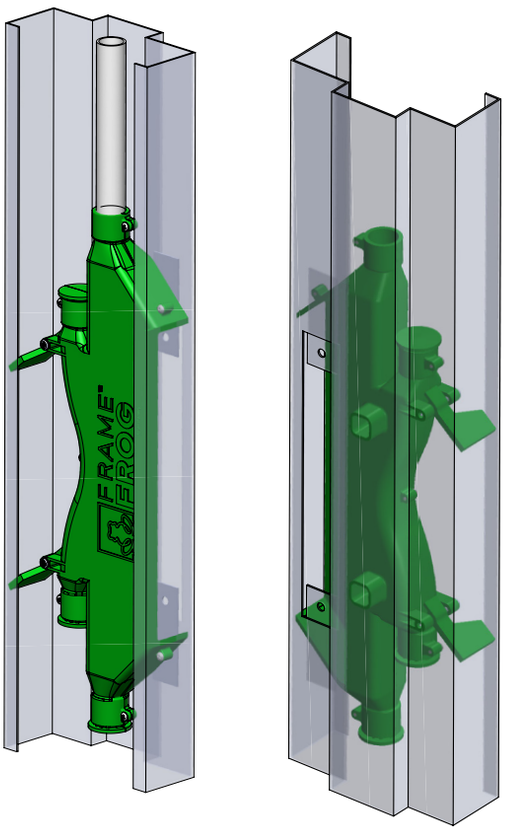


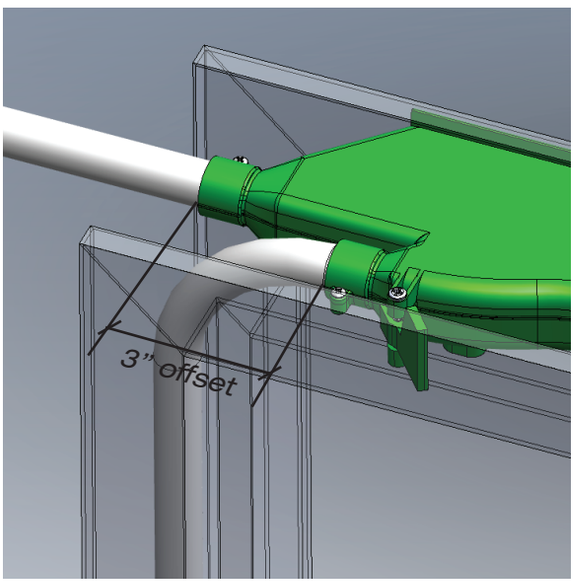
SIDE VIEW



SIDE VIEW



Offset port design provides clearance for standard 90° conduit to turn down and remain within the frame.



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Body Material

Acrylonitrile Butadiene Styrene (ABS)

General ABS POLYLAC PA-757 by Chi Mei Corporation

Properties	Test Condition	Test Method	Unit	Typical Value
Physical				
Specific Gravity	23°C	ASTM D792		1.05
Melt Flow Rate	220°C/5kg	ASTM D1238	g/10min	1.6
Mechanical				
Tensile Strength	6mm/min	ASTM D638	kg/cm^2	470
Tensile Elongation	6mm/min	ASTM D638	%	25
Flexural Strength	2.8mm/min	ASTM D790	kg/cm^2	790
IZOD Impact Strength, 6.4mm (notched)	23°C	ASTM D256	kg-cm/cm	20
IZOD Impact Strength, 3.2mm (notched)	23°C	ASTM D256	kg-cm/cm	21
Thermal				
Heat Distortion Temperature	1.8 Mpa	ASTM D648	C°	85
Vicat Softening Temperature	1kg, 50°C/h	ASTM D1525	C°	105
Flammability		UL 94		1.5 mm HB

Wing Tab Material

Acrylonitrile Butadiene Styrene (ABS)

ABS HI 121 by LG Chem

Properties	Test Condition	Test Method	Unit	Typical Value
Physical				
Specific Gravity		ASTM D792		1.04
Melt Flow Rate	220° C/10kg	ASTM D1238	g/10min	21
Mechanical				
Tensile Strength, 3.2mm @ Yield	50mm/min	ASTM D638	kg/cm^2	460
Tensile Elongation, 3.2mm @ Break	50mm/min	ASTM D638	%	40
Flexural Strength, 3.2mm	15mm/min	ASTM D790	kg/cm^2	740
IZOD Impact Strength, 6.4mm (notched)	23°C	ASTM D256	kg-cm/cm	32
IZOD Impact Strength, 3.2mm (notched)	23°C	ASTM D256	kg-cm/cm	35
Thermal				
Heat Deflection Temperature, 6.4mm,	18.6kg	ASTM D648	C°	87
(Unannealed)	4.6kg	ASTM D648	C°	91
Vicat Softening Temperature	5kg, 50°C/h	ASTM D1525	C°	93
Flammability		UL 94		HB

ABS MATERIALS NOTE: Typical values are only for material selection purpose, and variation within normal tolerances are for various colors. Values given should not be interpreted as specification and not be used for part or tool design.

All properties, except melt flow rate, are measured on injection molded specimens and after 48 Hours storage at 23°C and 50% relative humidity.

Screws

	Size	Length	TPI	Materials
Assembly Screws	0.148 in.	0.39 in.	18 TPI	Steel
Hinge Screws	0.148 in.	1.5 in.	18 TPI	Steel

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