UNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC:

Listed for Ordinary Locations

Applications

- · Accommodate wiring devices such as switches and receptacles.
- Provide excellent service in areas where boxes are subject to rough usage.
- Serve as pull boxes for conductors.
- Permit access to conductors for maintenance.
- Provide openings for making splices.
- Allow connections for branch conduit runs.
- Blank bodies for special conduit entrance arrangements.

Features

- Corrosion-resistant ideal for indoor and outdoor installations.
- Weatherproof, raintight and dust-tight when used with cast gasketed covers.
- FS and FD boxes take standard flush wiring devices.
- FD boxes take devices exceeding 1-5/8" in depth under fastening ears.
- Malleable iron for high tensile strength and ductility provides greater resistance to impact and shock.
- Both malleable iron and aluminum boxes have ridge top construction for positive cover/gasket/box fit.
- Accurately tapped, tapered threads for tight, rigid joints, ground continuity.
- Complete selection of covers, receptacles, plugs, gaskets and accessories.
- Covers have captive stainless steel screws to speed installation, prevent "freezing" of screws.
- Ground screw at top of box for easy access.
- Cast Hub Boxes
 - Available in single, two, three and four gang and tandem.
 - Smooth, rounded integral bushing in each hub protects conductor insulation.
- FD Blank Bodies for Brazed Hubs or Drill and Tapped Entries
 - Available in single, two, three and four gang boxes.
 - Drill and tapped entries.
 - Brazed threaded hubs for threaded conduit from 1/2" thru 1-1/2" and brazed union hubs from 1/2" thru 1-1/4.
 - Smooth, rounded integral bushing in each hub protects conductor insulation.
 - Ground screw at top of box for easy access.

Standard Materials

- Cast hub device boxes and boxes for drilling and tapping: malleable iron or copperfree (4/10 of 1% max.) aluminum
- Brazed hubs: malleable iron
- Covers: malleable iron, steel, or copperfree (4/10 of 1% max.) aluminum

Standard Finishes

- Malleable iron boxes and covers: triple-coat (1) zinc electroplate, (2) chromate, and (3) aluminum polymer enamel
- Aluminum boxes and covers: epoxy powder coat
- Steel covers: zinc electroplate
- Screws: stainless steel

Options

• Enclosures drilled for 347 Volt devices. Add suffix -347.





Gasket is designed so that it "wraps around" ridge top of Appleton™ aluminum or malleable iron device box. Result is a positive seal against moisture.

CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18.1
- CSA Certified: 001472

Reference Data

When ordering drilled and tapped openings or brazed hubs for blank bodies, refer to FS and FD Cast Device Boxes Drilling and Tapping Information pages.



UNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC: Listed for Ordinary Locations

	Çi		Malleable Iron			Aluminum	Catalan Number
	Size		Weight kg (lb)	Catalog Number FS-1		Weight kg (lb)	Catalog Number
	1/2	Shallow	0.88 (1.94)		Shallow	0.29 (0.64)	FS-1A
	3/4	Gridilow	1.02 (2.25)	FS-2	Shallow	0.34 (0.75)	FS-2A
-	1 (2)		0.88 (1.94)	FS-3		0.29 (0.64)	FS-3A
	1/2	D	1.22 (2.70)	FD-1	D	0.41 (0.90)	FD-1A
	3/4	Deep	1.18 (2.60)	FD-2	Deep	0.42 (0.92)	FD-2A
	1		1.27 (2.80)	FD-3		0.43 (0.94)	FD-3A
	1/2	Shallow	0.77 (1.70)	FSA-1	Shallow	0.26 (0.57)	FSA-1A
	3/4		0.73 (1.60)	FSA-2		0.26 (0.58)	FSA-2A
ط ه	1/2	Deep	0.95 (2.10)	FDA-1	Deep	0.32 (0.70)	FDA-1A
	3/4	Беер	0.91 (2.00)	FDA-2	реер	0.30 (0.67)	FDA-2A
	1/2		0.95 (2.10)	FSC-1		0.32 (0.70)	FSC-1A
	3/4	Shallow	1.09 (2.40)	FSC-2	Shallow	0.36 (0.80)	FSC-2A
	1		0.93 (2.06)	FSC-3		0.32 (0.70)	FSC-3A
	1/2		1.27 (2.80)	FDC-1		0.43 (0.94)	FDC-1A
	3/4	Deep	1.27 (2.80)	FDC-2	Deep	0.43 (0.94)	FDC-2A
	1		1.36 (3.00)	FDC-3		0.45 (1.00)	FDC-3A
	1/2		0.77 (1.70)	FSCC-1		0.26 (0.57)	FSCC-1A
	1/2	Shallow	0.77 (1.70)			0.20 (0.37)	1000-14
	0/4	Shallow	0.00 (0.00)	5000 04 ®	Shallow	0.04 (0.74)	F000 044 @
	3/4		0.99 (2.20)	FSCC-21 ①		0.34 (0.74)	FSCC-21A ①
	1/2		1.13 (2.50)	FSCT-1		0.38 (0.84)	FSCT-1A
	3/4	Shallow	1.13 (2.50)	FSCT-2	Shallow	0.38 (0.84)	FSCT-2A
	1		1.02 (2.25)	FSCT-3		0.34 (0.75)	FSCT-3A
	1/2		1.36 (3.00)	FDCT-1		0.45 (1.00)	FDCT-1A
	3/4	Deep	1.27 (2.80)	FDCT-2	Deep	0.43 (0.94)	FDCT-2A
	1		1.41 (3.10)	FDCT-3		0.47 (1.03)	FDCT-3A
	1/2		0.99 (2.20)	FDD-1		0.34 (0.74)	FDD-1A
		Deep			Deep		
	3/4		1.04 (2.30)	FDD-2		0.35 (0.77)	FDD-2A
	3/4	Shallow	1.06 (2.34)	FSL-2	Shallow	0.35 (0.78)	FSL-2A

① Use FD Unilets[™] for wiring devices exceeding 1-5/8" in depth under fastening ears.

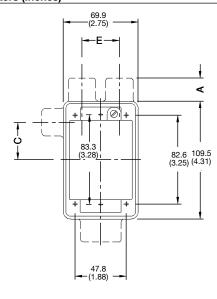


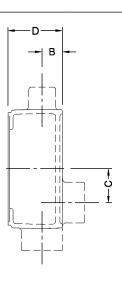
UNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC: Listed for Ordinary Locations

		Malleable Iron			Aluminum	
Size		Weight kg (lb)	Catalog Number		Weight kg (lb)	Catalog Number
1/2	Shallow	0.82 (1.80)	FSS-1	Shallow	0.27 (0.60)	FSS-1A
3/4	Silallow	0.82 (1.80)	FSS-2	Shallow	0.27 (0.60)	FSS-2A
1/2	Observation	1.12 (2.46)	FST-1	0111-	0.37 (0.82)	FST-1A
3/4	Shallow	1.06 (2.33)	FST-2	Shallow	0.35 (0.78)	FST-2A
1	Deep	1.45 (3.20)	FDT-3	Deep	0.49 (1.07)	FDT-3A
1/2	Challan	1.25 (2.75)	FSX-1	Oh all a	0.41 (0.91)	FSX-1A
3/4	Shallow	1.06 (2.34)	FSX-2	Shallow	0.35 (0.78)	FSX-2A
1/2		1.41 (3.10)	FDX-1		0.47 (1.03)	FDX-1A
3/4	Deep	1.36 (3.00)	FDX-2	Deep	0.48 (1.06)	FDX-2A
1		1.59 (3.50)	FDX-3		0.53 (1.17)	FDX-3A

Dimensions in Millimeters (Inches)





FS and FD Single Gang Devices

			D			
Hub Size	A	В	C	FS	FD	Е
1/2	0.3 (0.75)	0.3 (0.63)	0.6 (1.38)	0.9 (2.00)	1.3 (2.75)	0.6 (1.38)
3/4	0.3 (0.75)	0.3 (0.75)	0.6 (1.38)	0.9 (2.00)	1.3 (2.75)	0.6 (1.38)
1	0.4 (0.88)	0.4 (0.88)	0.8 (1.25)	0.9 (2.00)	1.3 (2.75)	0.6 (1.38)

UNILETS[™] for use with Threaded Rigid Conduit and IMC.

CEC: Listed for Ordinary Locations

	Description	Weight Per 100 kg (lb)	Catalog Number
Single Gang Covers — Furnis			
	Blank Cover, Steel — Zinc Electroplate	5.44 (12.00)	FS-4 ①
0	Round Receptacle Cover, Steel — Zinc Electroplate Hole dia. 1-7/16"	5.44 (12.00)	FS-5 ①
1	Duplex Receptacle Cover, Steel — Zinc Electroplate	4.54 (10.00)	FS-6 ①
	Round Receptacle Cover, Steel — Zinc Electroplate Hole dia. 1-5/8"	5.44 (12.00)	FS-8 ①
0	Tumbler Switch Cover, Steel — Zinc Electroplate	5.44 (12.00)	FS-9 ①
0	Tumbler Switch Cover, Steel — Zinc Electroplate	9.98 (22.00)	FSK-1TS-G ②
	For pilot lamp		
	Red Jewel		FSK-1J ②
	Amber Jewel	11.34 (25.00)	FSK-1JA ②
	Green Jewel	11.34 (23.00)	FSK-1JG ②
	Opal Jewel		FSK-1JO ②



 $^{\ \, \}mathbb 0$ Available in Aluminum: Add suffix -A to Catalog Number.

② Also for use with multiple gang Unilets with individual cover openings.

UNILETS[™] for use with Threaded Rigid Conduit and IMC.

NEC/CEC: Listed for Ordinary Locations

		Catalog Number		
	Description	Malleable Iron Ridge Top	Aluminum Ridge Top	
ast Covers NEMA 3 -	- Weatherproof — Furnished with gasket and stainless steel scre		g-	
	Receptacle cover with spring cover. Hole Diameter — 1-7/16"	FSK-1VR	-	
	Rocker type for square handle tumbler or toggle switches	FSK-1V	FSK-1V-A	
	For duplex flush receptacle with spring cover	FSK-1VDR	FSK-1VDR-A	
	For external operation of tumbler switches with square handles	FSK-1VTS	FSK-1VTSA	
	Operating type for square handle tumbler or toggle switches	FSK-1VS	FSK-1VS-A	
	Blank Cover and Gasket, Malleable Iron, Zinc Electroplate	-	FS-100G	
asket — Replacemen	Neoprene – for use with weatherproof covers	FS-GKR-1N	FS-GKR-1N	
st Covers Dry Locat	ions — Furnished with stainless steel screws less gasket			
D	For standard 2 or 3 wire duplex receptacles	FSK-1DR-C	_	
01	For round flush receptacles.Hole dia. 1-7/16"	FSK-1R-Z	_	
1	For square handle toggle switches	FSK-1TS-C	_	
	For square handle toggle switches (with protecting guard)	FSK-1TSG-C	FSK-1TSG-C	

Weatherproof, Raintight and Dust-tight

Covers for Ridge Top Boxes.

NEC/CEC: Listed for Ordinary Locations

Catalog Number						
	Receptacles					
		Malleable Iron	Aluminum			
Plug	Pole/Wire	Ridge Top	Ridge Top	Plug		
	Plug	Plug Pole/Wire	Recepta Malleable Iron	Receptacles Malleable Iron Aluminum		

Receptacle cover has threaded aluminum cap. Plug has neoprene boot and aluminum fastening ring. Furnished with receptacle, neoprene gasket, stainless steel

Non-Locking, "U" Shaped Grounding Type - Receptacle takes "U" shaped or round grounding contact plugs

15 Amp,	125V
---------	------

	15 Amp, 125 V					
A Second	NEMA 5-15R () NEMA 5-15P		2P, 3W	FSK5-15	FSK5-15-A	FSWP5-15
	20 Amp, 125V					
	NEMA 5-20R (1) NEMA 5-20P	<u>•</u> •	2P, 3W	FSK5-20 ①	FSK5-20-A ①	FSWP5-20
	15 Amp, 250V					
	NEMA 6-15R	•	2P, 3W	FSK6-15	FSK6-15-A	FSWP6-15
811	20 Amp, 250V					
	NEMA 6-20R P NEMA 6-20P		2P, 3W	FSK6-20 ②	FSK6-20-A	FSWP6-20
Locking Grounding Type						
a sound	15 Amp, 125V					

L



NEMA L5-15R (3) NEMA L5-15P	2P, 3W	FSKL5-15	FSWPL5-15
15 Amp, 250V			
NEMA L6-15R (B) NEMA L6-15P (I)	2P, 3W	FSKL6-15	FSWPL6-15



15 Amp. 277V

10 / Linp, 2 / / V			
NEMA L7-15R (P) NEMA L7-15P	2P, 3W	FSKL7-15	FSWPL7-15



① Also takes FSWP5-15 Plugs.

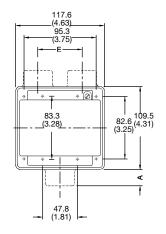
② Also takes FSWP6-15 Plugs.

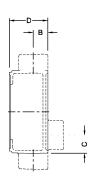
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CEC: Listed for Ordinary Locations

		Gray Iron			Aluminum	
Size		Weight kg (lb)	Catalog Number		Weight kg (lb)	Catalog Number
 1/2	Shallow	1.22 (2.70)	FS-12	Shallow	0.41 (0.90)	FS-12A
3/4	Shallow	1.18 (2.60)	FS-22	Silallow	0.39 (0.87)	FS-22A
1/2		1.22 (2.70)	FD-12	Shallow	0.41 (0.90)	FD-12A
3/4	Deep	1.22 (2.70)	FD-22	Shallow	0.41 (0.90)	FD-22A
1		1.27 (2.80)	FD-32	Deep	0.42 (0.93)	FD-32A
1/2	Shallow	1.36 (3.00)	FSC-12	Shallow	0.45 (1.00)	FSC-12A
3/4	Shallow	1.36 (3.00)	FSC-22	Silallow	0.45 (1.00)	FSC-22A
1/2		1.32 (2.90)	FDC-12		0.44 (0.97)	FDC-12A
3/4	Deep	1.36 (3.00)	FDC-22	Deep	0.48 (1.06)	FDC-22A
1		1.41 (3.10)	FDC-32		0.47 (1.03)	FDC-32A
1/2 - 3/4	Shallow	1.22 (2.70)	FSD-212 ①	Shallow	0.41 (0.90)	FSD-212A ⊕

Dimensions in Millimeters (Inches)





FS and FD Two-Gang Devices

`								
	Dimensions in Millimeters (Inches)							
		D						
Hub Size	A	В	C	FS	FD	E		
1/2	19.1 (0.75)	16.0 (0.63)	35.1 (1.38)	50.8 (2.00)	69.9 (2.75)	58.7 (2.31)		
3/4	19.1 (0.75)	19.1 (0.75)	35.1 (1.38)	50.8 (2.00)	69.9 (2.75)	58.7 (2.31)		
1	22.4 (0.88)	22.4 (0.88)	31.8 (1.25)	50.8 (2.00)	69.9 (2.75)	58.7 (2.31)		

① Hubs at top of illustration are 1/2".



UNILETS[™] for use with Threaded Rigid Conduit and IMC.

CEC: Listed for Ordinary Locations

	Description	Weight Per 100 kg (lb)	Catalog Number
wo Gang Covers			
	Blank Cover, Steel – Zinc Electroplate	9.07 (20.00)	FS-42 ①
8	Round Receptacle Cover, Steel – Zinc Electroplate Hole dia. 1-7/16"	8.16 (18.00)	FS-52 ①
	Duplex Receptacle Cover, Steel-Zinc Electroplate	6.80 (15.00)	FS-62 ①
60	Tumbler Switch Cover, Steel –Zinc Electroplate	9.07 (20.00)	FS-92 ①
	Combination Duplex Receptacle and Tumbler Switch Cover, Steel - Zinc Electroplate	6.80 (15.00)	FS-69 ①
(3)	Combination Duplex Receptacle and Single Receptacle, Steel - Zinc Electroplate	6.80 (15.00)	FS-65 ①
Veatherproof Covers			
	Blank Cover, Gray Iron	25.40 (56.00)	FS-200G ①
	For external operation of tumbler switches with square handles	113.40 (250.00)	FSK-2VTS
Gasket — Replacement			
	Neoprene - for use with 2-gang cast covers above	-	FS-GKR-2N



 $^{\ \, \}textcircled{1}$ Available in Aluminum: Add suffix -A to catalog number.

UNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC: Listed for Ordinary Locations

	Description	Weight Per 100 kg (lb)	Catalog Number
Three Gang Covers			
888	Duplex Receptacle Cover, Steel - Zinc Electroplate	10.43 (23.00)	FS-63 ①
000	Tumbler Switch, Steel –Zinc Electroplate	11.34 (25.00)	FS-93 ①
eatherproof Covers			
•	Blank Cover, Gray Iron	54.43 (120.00)	FS-300G ①
	For external operation of tumbler or toggle switches with square handles	149.69 (330.00)	FSK-3VTS

 $\ \, \mathbb O$ Available in Aluminum: Add suffix -A to catalog number.



FDO Single and Multiple Gang Cast Device Boxes

UNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC: Listed for Ordinary Locations

Features

- · Thick wall on all four sides.
- · Drill and tap anywhere on sidewalls.
- Ground screw at top of box for easy access.
- Two exterior mounting lugs.
- Fits standard sheet metal device covers with four mounting holes.
- Weatherproof when used with gasketed cast weatherproof device covers.

Standard Materials

• Malleable iron or copperfree (4/10 of 1% max.) aluminum

Standard Finishes

- Malleable iron: triple-coat (1) zinc electroplate, (2) chromate, and (3) aluminum polymer enamel
- Aluminum: epoxy powder coat

Reference Data

 When ordering drilled and tapped openings or brazed hubs for blank bodies, refer to FDO Cast Device Boxes Drilling and Tapping Information page.

	Catalog	Number
Description	Gray Iron	Aluminum

FD0 Unilets with Lugs: FD depth 2-19/32" - Maximum hub size 1-1/2" threaded, and 1-1/4" no-thread or union.

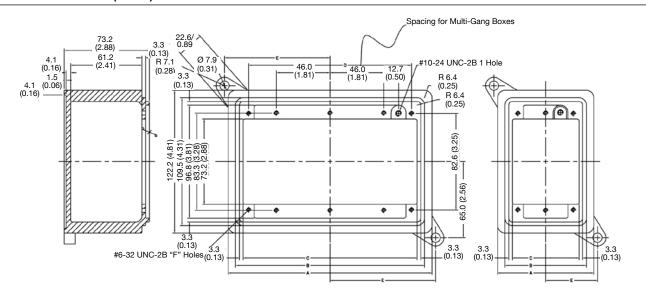
Single-Gang	FD0-1	FD0-1A
Two-Gang	FD0-2	FD0-2A
Three-Gang	FD0-3	FD0-3A
Four-Gang	FD0-4	FD0-4A



FDO Single and Multiple Gang Cast Device BoxesUNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC: Listed for Ordinary Locations

Dimensions in Millimeters (Inches)



FDO Unilets

No. of Gangs	Α	В	С	D	E	F
1	82.60 (3.25)	69.90 (2.75)	58.67 (2.31)	47.80 (1.88)	44.50 (1.75)	152.40 (6.00)
2	130.30 (5.13)	117.60 (4.63)	106.40 (4.19)	95.30 (3.75)	68.30 (2.69)	203.20 (8.00)
3	177.80 (7.00)	165.10 (6.50)	154.00 (6.06)	143.00 (5.63)	92.20 (3.63)	254.00 (10.00)
4	225.60 (8.88)	212.90 (8.38)	201.70 (7.94)	190.50 (7.50)	115.80 (4.56)	304.80 (12.00)

FDO Single and Multiple Gang Cast Device Boxes

Malleable Iron, Aluminum

UNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC: Listed for Ordinary Locations

Hub Information

Listed below are the various types of brazed hubs which may be used with the FD0 boxes. Threaded, no-thread and union hubs may be brazed at any desired location.

It is possible to place more than five hubs on the top and bottom of three and four-gang Unilets. $\,$

Look at the chart below for the maximum hub diameter and the minimum hub spacing distance. This chart, together with the Unilet dimensions will enable you to figure the maximum number of hubs which may be used.

The hubs will be symmetrically placed about the axis of the Unilets unless exact dimensions are specified on the order.

	Size	Threaded for Rigid Conduit	No Thread for Rigid Conduit	No Thread for Electrical Metallic Tubing	Union
Maximum Hub Size	FS	1	3/4	3/4	3/4
Maximum Hub Size	FD	1-1/2	1-1/4	1-1/4	1-1/4
	1/2	1-1/8	1-1/2	1-1/8	1-1/2
	3/4	1-3/8	1-25/32	1-3/8	1-25/32
Maximum Hub Diameter	1	1-9/16	2-1/32	1-9/16	2-1/32
	1-1/4	1-15/16	2-25/32	1-15/16	2-25/32
	1-1/2	2-3/16	_	_	_
	1/2	1-1/4	1-9/16	1-1/4	1-9/16
Maximum Distance	3/4	1-1/2	1-27/32	1-1/2	1-27/32
Between Conduit Centers	1	1-3/4	2-3/32	1-3/4	2-3/32
	1-1/4	2-1/8	2-29/32	2-1/8	2-29/32
	1-1/2	2-3/8	_	_	_

FDO Cast Device Boxes Drilling and Tapping Information

Malleable Iron, Aluminum

UNILETS™ for use with Threaded Rigid Conduit and IMC. All device boxes have ridge top construction.

CEC:

Listed for Ordinary Locations

Ordering Data

To determine the customized FD0 box catalog number with drilled and tapped entries or hubs, the following information should be shown:

- 1. FD0 box catalog number.
- 2. Sketch number of entry arrangement selected from illustrations below.
- 3. Entry symbols taken from the table right. Start from the left on the top of the Unilet and continue in rotation clockwise around its body. Where no entry is required, the symbol X should be inserted. The three various divisions of the catalog number should be separated by dashes.

Ordering Example:

The box selected is a FD04 and the entry arrangement is sketch number 12. Entry A, B and C are to be 1/2" drilled and tapped for rigid conduit; D is to be a 1" hub and there is no entry at location E. The catalog number will be as follows FD04-12-111CX.

Symbol Table

Hub Size (Inches)	Brazed Threaded Hub Symbol	Brazed Union Hub Symbol
Blank	X	X
1/2	1	Α
3/4	2	В
1	3	С
1-1/4	4	D
1-1/2	5	E
2	6	F

Single, Two, Three and Four-Gang — Front view and oriented as mounted

