

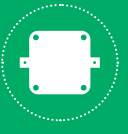
ENCLOSURES GR SERIES

THREADED ENCLOSURES



For ATEX and IEC Ex Global
Certifications Add Suffix
"CEN" to the Catalog Logic

GR COMPLETE ASSEMBLIES									
COVER OPENING DIAMETER	NOMINAL EXTERNAL BOX DIMENSIONS WITHOUT COVER			CATALOG NUMBER		VIEWING AREA	CATALOG NUMBER	DEPTH OF DOME	MAXIMUM CONDUIT SIZE
	L	W	D	BOX WITH BLANK COVER	BOX WITH LENS COVER		BOX WITH DOME COVER		
3.906 (99.21)	4.63 (117.60)	4.63 (117.60)	4.15 (105.41)	GRB	GRB-275L	2.75 (70)	2GRB	2 (51)	1-1/2"
							4GRB	4 (102)	
4.34 (110.24)	6.63 (168.40)	5.5 (139.70)	5.25 (133.35)	GRE	GRE-300L	3 (76)	—	—	2"
5.28 (134.11)	6.87 (174.50)	6.87 (174.50)	5.93 (150.62)	GRM	GRM-375L	3.75 (95)	5GRM	5 (127)	2"
7.25 (184.15)	9.87 (250.70)	8.38 (212.85)	6.53 (165.86)	GRK	GRK-537L	5.38 (137)	4GRK	4 (102)	2-1/2"
7.87 (199.90)	10.5 (266.70)	8.87 (225.30)	7.18 (182.37)	GRL	GRL-600L	6 (152)	—	—	2"
9.63 (244.60)	12 (304.80)	11 (279.40)	7.63 (193.80)	GRH	GRH-775L	7.75 (197)	4GRH	4 (102)	3 1/2"
							8GRH	8 (203)	
9.63 (244.60)	12.18 (309.37)	11 (279.40)	11 (279.40)	GRHC	GRHC-775L	7.75 (197)	4GRHC	4 (102)	4"
							8GRHC	8 (203)	
9.63 (244.60)	12 (304.80)	11 (279.40)	16.18 (410.97)	GRHA	GRHA-775L	7.75 (197)	4GRHA	4 (102)	4"
							8GRHA	8 (203)	



THREADED ENCLOSURES



GR COMPONENT PARTS

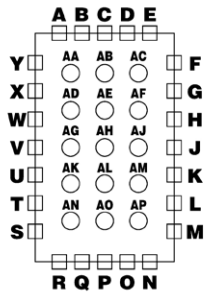
ENCLOSURE SERIES	CATALOG NUMBER OF COMPONENTS						
	BOX WITHOUT COVER	BLANK COVER	LENS COVER	DOME COVER	GASKET REPLACEMENT	FLAT PAN	DIMENSIONS FOR MTG. PANS
GRB	GRBB	GRB-BC	GL-275	2"- 2GRBD 4"- 4GRBD	GRB-RG	6086PAN	3.4 x 3.5 (86 x 89)
GRE	GREB	GRE-BC	GL-300	—	GRE-RG	6074	4 x 4.5 (102 x 114)
GRM	GRMB	GRM-BC	GL-375	5"- 5GRMD	GRM-RG	6064	5 x 5 (127 x 127)
GRK	GRKB	GRK-BC	GL-537	4"- 4GRKD	GRK-RG	6038	5.5 x 7.5 (140 x 191)
GRL	GRLB	GRL-BC	GL-600	—	GRL-RG	6053	6 x 8.5 (152 x 216)
GRH	GRHB	GRH-BC	GL-775	4"- 4GRHD 8"- 8GRHD	GRH-RG	6058	8 x 9 (203 x 229)
GRHC	GRHCB	GRH-BC	GL-775	4"- 4GRHD 8"- 8GRHD	GRH-RG	6058	
GRHA	GRHAB	GRH-BC	GL-775	4"- 4GRHD 8"- 8GRHD	GRH-RG	6058	

GR MODIFICATIONS

SUFFIX NUMBER	DESCRIPTION
CEN	ATEX and IEC Ex Certifications, IP66
P	Drill, tap and install Mounting Pan
SU-8	Drill and tap only for Mounting Pan
KIT-251	100 amp ground lug
KIT-252	200 amp ground lug
SU3B-QA	cCSAus, ATEX, IEC Ex drain and breather installed Class I Groups C & D and Ex d IIB, Type 4, 4x, IP66
SU3B-4X	UL and CSA drain and breather installed Class I Groups B, Type 4, 4x
SU3B-ATEX	UL CSA, ATEX, IEC Ex drain and breather installed Class I groups B and Ex d IIB, Voids Type 4 and IP66
SU-6	Remove external mounting lugs
SU14	Fungus Proof internally
SU9	Special paint - specify
SU93	Do not paint

Drilled and Tapped Conduit Openings

Boxes are furnished blank for field drilling and tapping of conduit openings. If factory openings are requested submit drawing or select from charts below.



SYMBOL NUMBER

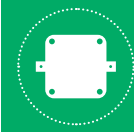
SIZE	SYMBOL
1/2"	1
3/4"	2
1"	3
1-1/4"	4
1-1/2"	5
2"	6
2-1/2"	7
3"	8
3-1/2"	9
4"	10

GR ENCLOSURE VOLUMES

CATALOG NUMBER	VOLUME CU IN (LT)
GRB	45 (0.74)
GRE	105 (1.72)
GRM	180 (2.95)
GRK	305 (5.00)
GRL	405 (6.64)
GRH	615 (10.09)
GRHA	1450 (23.78)
GRHC	985 (16.15)
GRB-275L	40 (0.66)
GRE-300L	95 (1.56)
GRM-375L	170 (2.79)
GRK-537L	280 (4.59)
GRL-600L	380 (6.23)
GRH-775L	570 (9.35)
GRHA-775L	1400 (22.96)
GRHC-775L	940 (15.42)
2GRB	60 (0.98)
4GRB	80 (1.31)
5GRM	250 (4.10)
4GRK	410 (6.72)
4GRH	820 (13.45)
8GRH	1050 (17.22)
4GRHA	1660 (27.22)
8GRHA	1890 (31.00)
4GRHC	1195 (19.60)
8GRHC	1425 (23.37)

EXAMPLE: GRB-C3-J2-P1=
 GRB enclosure with 1" NPT top center,
 3/4" NPT right side center,
 1/2" NPT bottom center

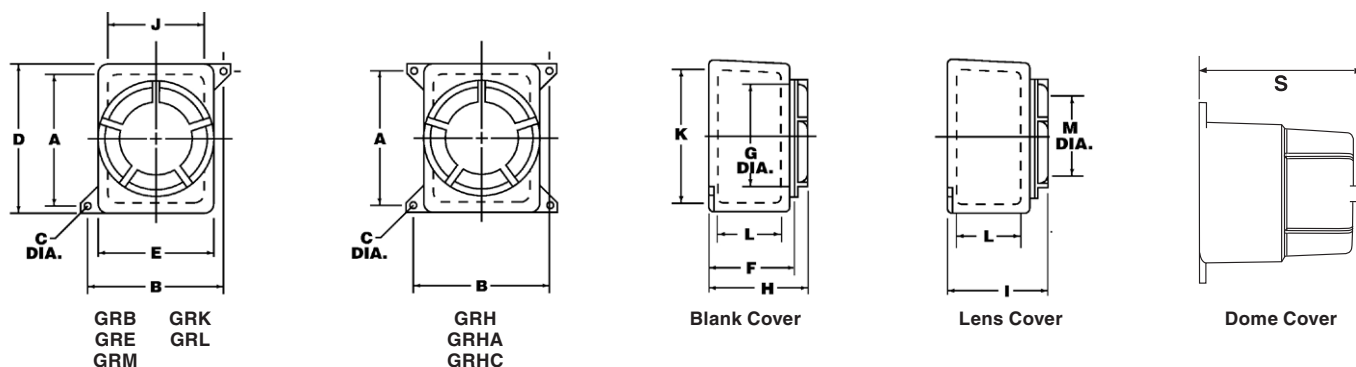
Notes: Replacement covers are supplied with the O-ring gasket. For Group B applications all conduit openings must be sealed within 18" (457mm) from the enclosure wall. For ATEX and IEC Ex applications all conduit and gland openings must be sealed immediately to the enclosure wall.



ENCLOSURES GR SERIES

THREADED ENCLOSURES

DIMENSIONS



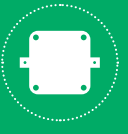
CAT. NO.	MOUNTING DIMENSIONS			EXTERNTAL DIMENSIONS			BLANK COVER		LENS COVER		INTERNAL DIMENSIONS			WEIGHT LBS (KG)
	A	B	C	D	E	F	G*	H	I	M+	J	K	L	
GRB	4 (102)	6 (527)	0.31 (8)	4.63 (118)	4.63 (118)	4.15 (105)	3.91 (99)	4.56 (116)	4.53 (116)	2.75 (70)	3.75 (95)	3.75 (95)	2.68 (68)	5.6 (2.54)
GRE	5.75 (146)	6.5 (165)	0.31 (8)	6.63 (168)	5.5 (149)	5.25 (133)	4.34 (110)	5.75 (146)	5.72 (145)	3 (76)	4.63 (118)	5.75 (146)	3.28 (83)	7.9 (4.4)
GRM	5.87 (149)	8.13 (206)	0.31 (8)	6.87 (174)	6.87 (174)	5.93 (151)	5.28 (134)	6.56 (167)	6.56 (167)	3.75 (95)	6 (527)	6 (527)	4.18 (106)	11.8 (5.4)
GRK	9.13 (232)	9.63 (245)	0.31 (8)	9.87 (251)	8.38 (213)	6.53 (166)	7.25 (184)	7.28 (185)	7.18 (182)	5.38 (137)	7.06 (179)	8.31 (211)	4.13 (105)	23.5 (10.7)
GRL	9.5 (241)	10.5 (267)	0.44 (11)	10.5 (267)	8.87 (225)	7.18 (182)	7.87 (200)	7.97 (202)	7.93 (201)	6 (527)	7.63 (194)	9.13 (234)	4.93 (125)	26.2 (11.9)
GRH	10.75 (273)	12.13 (308)	0.44 (11)	12 (305)	11.63 (295)	7.63 (194)	9.63 (245)	8.38 (213)	8.63 (219)	7.75 (197)	9.5 (241)	10.5 (267)	5 (127)	39.7 (18)
GRHA	8.25 (207)	12.13 (308)	0.44 (11)	12 (305)	11.63 (295)	16.18 (411)	9.63 (245)	16.93 (430)	17.18 (436)	7.75 (197)	9.5 (241)	10.5 (267)	13.56 (344)	70.5 (32)
GRHC	8.25 (207)	12.13 (308)	0.56 (14)	12.18 (309)	11.63 (295)	11 (279)	9.63 (245)	11.75 (298)	12 (305)	7.75 (197)	9.56 (243)	10.63 (270)	8.43 (214)	54.9 (24.9)

Notes: All dimensions in. (mm)

*Box opening diameter

+Viewing lens diameter

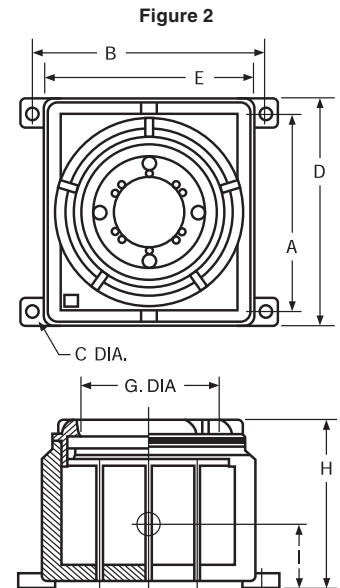
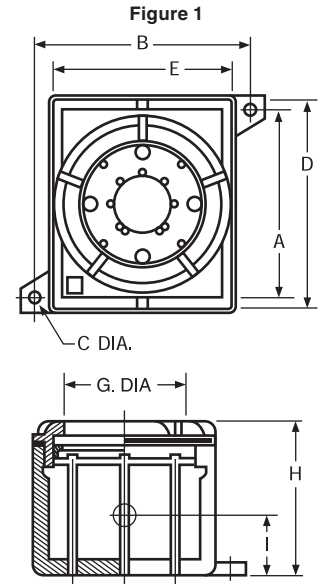
CATALOG NUMBER BASIC BOX W/DOME COVER	S DIM INCHES (MM)
2GRB	7 (177.80)
4GRB	9 (228.60)
5GRM	12.25 (311.15)
4GRK	11.93 (303.02)
4GRH	13 (330.20)
8GRH	17 (431.80)
4GRHA	21.5 (546.10)
8GRHA	25.5 (647.70)
4GRHC	16.31 (414.27)
8GRHC	20.31 (515.88)



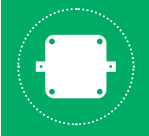
INSTRUMENT ENCLOSURES

DIMENSIONS

RECOMMENDED GR ENCLOSURE BASED ON INSTRUMENT MODEL (INSTRUMENTS NOT SUPPLIED)				
CATALOG NUMBER	MANUFACTURER	INSTRUMENT		
		MODEL	SIZE	TYPE
GRM-375L52	Weston	1930 Series	3-1/2"	Rectangular
		301 Series	3"	Rectangular
		301 Series	3-1/2"	Round
GRM-375L52	General Electric	KT w/o reset	3"	Rectangular
		KT w/o reset	3-1/2"	Round
GRM-375L52	Cutler Hammer	R-351	3"	Rectangular
		B-351 w/o reset	3"	Rectangular
		N-351	3-1/2"	Round
GRM-375L52	Simpson	27, 27T, 37, 47, 57, 77 Series	3"	Rectangular
		2100 Series	3-1/2"	Rectangular
		25, 25T, 35, 45, 55 Series	3-1/2"	Round
		55ET	3-1/2"	Round
		75	3-1/2"	Round
		1300 Series	3-1/2"	Rectangular
		3223	3-1/2"	Round
GRM-375L52	Cutler Hammer	3323	3-1/2"	Rectangular
		N-371 Series	4-1/2"	Round
GRK-537L52A	Cutler Hammer	R-371 Series	4"	Rectangular
GRK-537L52A	Simpson	3224	4-1/2"	Round
GRK-537L52A	General Electric	250, 162, 167, 251 Series	3-1/2"	Rectangular
		178 Series	4-1/2"	Rectangular
		171 Series frequency meter	4-1/2"	Rectangular
		236 w/o Reset	3-1/2"	Rectangular
GRK-537L52B	Weston	1940 Series	4-1/2"	Rectangular
GRK-537L52B	General Electric	AB/DB-30 AC ammeter	4-1/2"	Rectangular
		AB/DB-30 AC/DC ammeter	4-1/2"	Rectangular
GRL-600L52B	General Electric	AB/DB-40 AC ammeter	4-1/2"	Rectangular
GRK-537L52B	General Electric	DB-40 DC ammeter	4-1/2"	Rectangular
		DB-40 DC voltmeter	4-1/2"	Rectangular
		171, 250, 251 Series	4-1/2"	Rectangular
GRL-600L52C	Simpson	29, 29T, 39, 49, 59, 79, 1300, 2100 Series	4-1/2"	Rectangular
GRH-775L52B	General Electric	AB/DB-40 AC voltmeter	4-1/2"	Rectangular



GR DIMENSIONS									
CATALOG NUMBER	FIG. NO.	A	B	C	D	E	G	H	I
GRM-375L52	1	5-7/8"	8-1/8"	5/16"	6-7/8"	6-7/8"	3-9/16"	6-13/32"	2-5/8"
GRK-537L52A	1	9-1/8"	9-1/8"	5/16"	9-7/8"	7-7/8"	4-7/8"	6-11/16"	2-1/2"
GRK-537L52B	1	9-1/8"	9-1/8"	5/16"	9-7/8"	7-7/8"	4-7/8"	6-11/16"	2-1/2"
GRL-600L52B	1	9-1/2"	10-1/2"	7/16"	10-1/2"	8-7/8"	5-13/16"	7-17/32"	2-3/4"
GRL-600L52C	1	9-1/2"	10-1/2"	7/16"	10-1/2"	8-7/8"	5-13/16"	7-17/32"	2-3/4"
GRH-775L52B	2	10-3/4"	12-1/8"	7/16"	12"	11"	7-7/16"	8-3/4"	3"



ENCLOSURES

B7/EXBLT/EXB/GR SERIES

CONDUIT OPENING DATA

Instructions

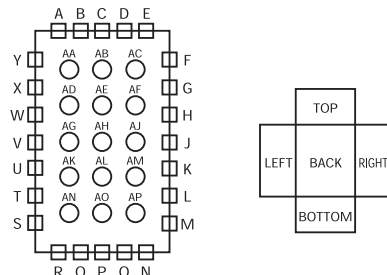
Drilled and tapped conduit openings will be evenly spaced and located in the area indicated on the location chart. Critical conduit opening locations may be indicated by supplying a diagram similar to the one shown at right indicating critical dimensions and locations. Specific conduit openings must be located dimensionally from box centerlines to conduit centerlines and from outside back surface of box to conduit centerline.

Ordering Information:

- (1) Select the letter on location chart which indicates conduit opening position desired.
- (2) Select symbol number from chart which indicates conduit opening type and size.

- (3) Combine the conduit location letter, size and type number, and add as a suffix to junction box catalog number.

Example: EXB-12248 N34-C3-J5-PI3-AH4



Drawing indicates position as looking into open face of box with short side (top) up.

EXB/EXBLT/B7/GR SYMBOL NUMBERS		
CONDUIT SIZE	CONDUIT OPENINGS DRILLED AND TAPPED	UNION
1/2"	1	11
3/4"	2	12
1"	3	13
1-1/4"	4	14
1-1/2"	5	15
2"	6	16
2-1/2"	7	17
3"	8	18
3-1/2"	9	19
4"	0	10
5"	02	—
6"	04	—

Union = GUM series male NPT unions

EXB/EXBLT/B7/GR - MINIMUM CENTER TO CENTER SPACING FOR DRILLED AND TAPPED OPENINGS AND UNION HUBS													
NPT (METRIC)	SPACE CENTERS	1/2" (M16)	3/4" (M20)	1" (M25)	1-1/4" (M32)	1-1/2" (M40)	2" (M50)	2-1/2" (M63)	3" (M75)	3-1/2" (M80)	4" (M100)	5"	6"
1/2" (M16)	MIN	1.18 (30)	—	—	—	—	—	—	—	—	—	—	—
	PRE	1.38 (35)	—	—	—	—	—	—	—	—	—	—	—
	GU	1.63 (41)	—	—	—	—	—	—	—	—	—	—	—
3/4" (M20)	MIN	1.38 (35)	1.5 (38)	—	—	—	—	—	—	—	—	—	—
	PRE	1.5 (38)	1.63 (41)	—	—	—	—	—	—	—	—	—	—
	GU	1.75 (44)	1.81 (46)	—	—	—	—	—	—	—	—	—	—
1" (M25)	MIN	1.5 (38)	1.75 (44)	1.81 (46)	—	—	—	—	—	—	—	—	—
	PRE	1.75 (44)	1.88 (48)	2 (108)	—	—	—	—	—	—	—	—	—
	GU	1.88 (48)	2 (108)	2.13 (54)	—	—	—	—	—	—	—	—	—
1-1/4" (M32)	MIN	1.69 (43)	1.94 (49)	2.06 (52)	2.31 (59)	—	—	—	—	—	—	—	—
	PRE	1.94 (49)	2.06 (52)	2.25 (57)	2.5 (64)	—	—	—	—	—	—	—	—
	GU	2.06 (52)	2.25 (57)	2.31 (59)	2.5 (64)	—	—	—	—	—	—	—	—
1-1/2" (M40)	MIN	1.94 (49)	2.06 (52)	2.19 (56)	2.5 (64)	2.63 (67)	—	—	—	—	—	—	—
	PRE	2.13 (54)	2.25 (57)	2.38 (60)	2.63 (67)	2.75 (70)	—	—	—	—	—	—	—
	GU	2.19 (56)	2.28 (58)	2.44 (62)	2.63 (67)	2.75 (70)	—	—	—	—	—	—	—
2" (M50)	MIN	2.25 (57)	2.38 (60)	2.56 (65)	2.81 (71)	2.94 (75)	3.19 (81)	—	—	—	—	—	—
	PRE	2.38 (60)	2.5 (64)	2.75 (70)	3 (76)	3.13 (97)	3.38 (86)	—	—	—	—	—	—
	GU	2.5 (64)	2.59 (66)	2.75 (70)	3 (76)	3.13 (97)	3.38 (86)	—	—	—	—	—	—
2-1/2" (M63)	MIN	2.44 (62)	2.56 (65)	2.75 (70)	3 (76)	3.13 (97)	3.38 (86)	3.63 (92)	—	—	—	—	—
	PRE	2.63 (67)	2.75 (70)	3 (76)	3.25 (82)	3.38 (86)	3.63 (92)	4 (102)	—	—	—	—	—
	GU	3.13 (97)	3.22 (82)	3.38 (86)	3.56 (90)	3.69 (94)	4 (102)	4.63 (117)	—	—	—	—	—
3" (M75)	MIN	2.81 (71)	2.94 (75)	3.06 (78)	3.31 (84)	3.44 (87)	3.75 (95)	4 (102)	4.31 (110)	—	—	—	—
	PRE	3 (76)	3.13 (97)	3.38 (86)	3.63 (92)	3.75 (95)	4 (102)	4.38 (111)	4.75 (121)	—	—	—	—
	GU	3.56 (90)	3.66 (93)	3.81 (97)	4 (102)	4.13 (105)	4.44 (113)	5.06 (129)	5.5 (140)	—	—	—	—
3-1/2" (M80)	MIN	3.13 (97)	3.25 (82)	3.38 (86)	3.63 (92)	3.75 (95)	4.06 (103)	4.31 (110)	4.63 (117)	4.94 (125)	—	—	—
	PRE	3.38 (86)	3.5 (89)	3.63 (92)	3.88 (98)	4 (102)	4.38 (111)	4.63 (117)	5 (127)	5.38 (136)	—	—	—
	GU	4 (102)	4.09 (104)	4.25 (108)	4.44 (113)	4.56 (116)	4.88 (124)	5.5 (140)	5.94 (151)	6.38 (162)	—	—	—
4" (M100)	MIN	3.44 (87)	3.56 (90)	3.69 (94)	3.94 (100)	4.06 (103)	4.38 (111)	4.63 (117)	4.94 (125)	5.25 (133)	5.56 (141)	—	—
	PRE	3.75 (95)	3.88 (98)	4 (102)	4.25 (108)	4.38 (111)	4.75 (121)	5 (127)	5.75 (146)	5.63 (143)	6 (152)	—	—
	GU	4 (102)	4.09 (104)	4.25 (108)	4.44 (113)	4.56 (116)	4.88 (124)	5.5 (140)	5.94 (151)	6.38 (162)	6.38 (162)	—	—
5"	MIN	4.13 (105)	4.25 (108)	4.38 (111)	4.63 (117)	4.75 (121)	5 (127)	5.25 (133)	5.56 (141)	5.88 (149)	6.19 (157)	6.19 (157)	—
	PRE	4.38 (111)	4.5 (114)	4.63 (117)	4.88 (124)	5 (127)	5.38 (136)	5.63 (143)	6 (152)	6.25 (159)	6.63 (168)	7.25 (184)	—
6"	MIN	4.75 (121)	4.88 (124)	5 (127)	5.25 (133)	5.38 (136)	5.63 (143)	5.88 (149)	6.19 (157)	6.5 (165)	6.81 (173)	7.44 (190)	8.13 (206)
	PRE	5 (127)	5.13 (130)	5.25 (133)	5.5 (140)	5.63 (143)	6 (152)	6.25 (159)	6.63 (168)	7 (178)	7.25 (184)	8 (203)	8.63 (220)
LOCKNUT O.D.		1.25 (32)	1.13 (29)	1.69 (43)	2.19 (56)	2.44 (62)	3 (76)	3.44 (87)	4.19 (106)	4.81 (122)	5.38 (136)	6.69 (170)	7.94 (202)
CONDUIT BUSHING		1 (25)	1.25 (32)	1.5 (38)	1.88 (48)	2.13 (54)	2.63 (67)	3.19 (81)	3.88 (98)	4.44 (113)	5 (127)	6.25 (159)	7.38 (187)
CONDUIT O.D.		—	1.06 (27)	1.38 (35)	1.69 (43)	1.94 (49)	2.38 (60)	2.88 (73)	3.5 (89)	4 (102)	4.5 (114)	5.56 (141)	6.63 (168)

All dimension in. (mm)

MIN: The minimum space required to provide enough clearance over locknuts and bushings.

PRE: The preferred more liberal center to center spacing of openings. To be used whenever possible.

GU: The required spacing between openings using GUM Series male NPT unions.