



GR SERIES



THREADED ENCLOSURES



ATEX / IEC Ex Certified

Class I, Div. 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H₂, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III, Div. 1 & 2
Type 3, 4 & 4X
NEMA 3, 4, 4X, 7 (B, C, D), 9 (E, F, G)
ATEX/IEC Ex
Ex d IIC T6 or T5
Ex tD A21 IP66 T80°C or T90°C IP66
Ta = -20°C to +60°C

- UL #UL886 - Outlet Boxes and Fittings for use in Hazardous (Classified) Locations. File #E10514
- UL #UL1203 - Explosion Proof and Dust Ignition Proof Electrical Equipment. File #E83969
- SP #C22.2 No. 30-M1986 - Explosion Proof Enclosure for use in Class I Hazardous Locations. File #LR11716
- FM #3600 & 3615 File #2Y4A5.AE
- Ex II 2 G/D 0539 **CE**
 PTB 02 ATEX 1071U (Empty Housing)
 PTB 02 ATEX 1072 (Enclosure with Controls)
 IEC Ex PTB 05 0029
 IEC Ex PTB 05.0028U

FEATURES-SPECIFICATIONS

Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings, and areas which are subject to corrosion, weather and dampness
- Installations at petroleum refineries, chemical and petrochemical plants, storage areas, and other processing facilities where hazardous substances are handled or stored
- Applications requiring junction, pull and/or splice boxes
- Enclosures to house meters, relays, terminal strips, control transformers, etc.

• **Global applications* (ATEX/IEC Ex) Enclosures are available for global applications with "CEN" suffix. Assemblies that are modified to ATEX/IEC Ex standards maintain their North American certifications.**

Features

- Compact square or rectangular enclosures with threaded screw type covers provide easy access to interior
- Can be shipped in component parts and still maintain third party UL-CSA-FM approvals
- Available in three different cover types, flat blank, lens and dome covers
- Cast mounting lugs are standard on all assemblies
- Available as blank box or can be custom drilled and tapped for conduit openings which may be factory or field installed on the four sides or back wall
- Gaskets are standard on all assemblies and with covers when component part ordering
- Internal ground screw supplied on all boxes
- CEN suffix modification for CENELEC Certification includes an external ground screw, cover locking screw, and nameplate displaying certification and area classifications. Feature is only available on complete assemblies and not available when component part ordering.

Material/Finish

- Enclosures: Copper-free Aluminum (less than 4/10 of 1%)
- Optional Mounting Pans: Sheet Aluminum
- Lens Cover Glass: Tempered soda lime glass
- Cover Gaskets: GRB, GRE, GRM, GRK, GRL 70 Durometer NITRILE GRH, GRHA, GRHC 57 63 Durometer BUNA-N
- Electrostatically applied gray powder epoxy/polyester finish on exterior of box and cover



ENCLOSURES

THREADED ENCLOSURES



Box with blank cover



Box with lens cover



Box with dome cover

NOTE: See Page E46 for Third Party Certifications

FEATURES-SPECIFICATIONS

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)	

NOTE: To order above items with ATEX IEC EX Modifications and Certifications add suffix CEN to end of catalog number. (Example: GRBCEN)
To order above items with a flat back pan installed add suffix P to catalog number.



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	

NOTES: Covers are supplied with gasket.
For Group B locations all conduits must be sealed within 18" of enclosures.