

February 2023

Handles a Wide Array of Instrumentation

The **R-BOX** accommodates transmitters, meters, indicators, analyzers, integrators, and many other rail-mounted instruments.

Wide Range of Widths

The variety of available **R-BOX** sizes means that we have an **R-BOX** that will fit your process needs. Choose from standard internal widths of 3, 6, 9, 12, 18 and 24 inches.

Moore Industries' Instruments	Width of Housing			
	3.0"	6.0"	9.0"	12.0"
SPA2IS, SPA2, SPA, STA	1	2	3	4
SST, SRM, SPT, TIY, RIY, ACX, FCT, ECA, EP-FDX, ECT 4-wire	1	3	5	6
SSX, STZ, THZ3, TRY, SIX, SIY, SCX, ECT 2-wire	2	4	7	10

For Hazardous and General Locations

The **R-BOX** is designed to meet standards for enclosing indoor and outdoor electronic instruments approved for use in a variety of hazardous locations.

Safeguards Expensive Instruments

Designed to meet Type 4X and IP66 ratings, the **R-BOX** is resistant to ultraviolet rays and chemicals. Its high-impact structure protects instruments even in harsh field conditions.

Clear Cover

Instrument indicators, such as process displays and alarm LED's, can be clearly viewed without removing the front cover of the **R-BOX**.

Secure Locking Mechanism

The **R-BOX** comes standard with a front-mounted locking mechanism to prevent removal of the clear front cover.



Pipe, Panel, or Surface Mount Installation

Easy to install, the **R-BOX** mounts conveniently on a panel using our flange mount (-F option), on a 2-inch pipe using our pipe mount (-P option), or on a surface using standard mounting holes.

Standard Rail Options

The **R-BOX** comes factory-installed with a Hat Rail or a "G" Rail for mounting standard DIN instruments, or with a blank plate for installing your own mounting apparatus.

Custom Brackets for OEM Applications

Our team of engineers will work with you to design and provide any special installation hardware or custom widths that may be required to integrate your instruments into the **R-BOX**.

R-BOX

Field-Mount Enclosure for DIN Rail-Mount Instruments

Specifications

Body	Copper-free aluminum with a chromate conversion undercoat and Polyester powdercoat	Hardware	Stainless steel	Pipe Mount Hardware	Saddle and U-bolt (zinc-plated CRS) for mounting on a standard 2-inch pipe
Cover	Clear polycarbonate (flame retardant to UL 94-V-O and U.V. stabilized for extended outdoor use)	Latch	Black anodized aluminum	Weight	3-inch: 1.9 kg (4.2 lb) 6-inch: 2.9 kg (6.4 lb) 9-inch: 3.9 kg (8.6 lb) 12-inch: 4.9 kg (10.9 lb) 18-inch: 6.9 kg (15.2lb) 24-inch: 8.9 kg (19.6lb) 2-inch Pipe Mount Hardware: 142 g (5 oz)
		Conduit Holes	Dimples marking the bottom of the R-BOX can be used as center holes for drilling the conduit entry holes (Conduit fittings and holes are not included)		

Ordering Information

Enclosure	Internal Width	Instrument Mounting Style	Power	Optional Mounting Hardware	Housing
R-BOX Field Mount Enclosure for DIN-rail mount instruments	3 inches (76mm) 6 inches (152mm) 9 inches (229mm) 12 inches (305mm) 18 inches (457mm) 24 inches (610mm)	H Enclosure is equipped with an internal 35mm Top Hat (EN50022) instrument mounting rail G Enclosure is equipped with an internal 32mm G-Type (EN50035) instrument mounting rail B Enclosure is equipped with an internal removable back panel with no mounting rail	NP No power available on separately-ordered housings	-P Hardware for mounting the R-BOX on a standard 2-inch pipe -F Flange-mount hardware for mounting the R-BOX in a panel* <small>* To mount in a panel, cut an area from the panel with a height of 232mm (9.12 inches) and a width equal to the internal width of the R-BOX + 17mm (11/16 inch). NOTE: If "Optional Mounting Hardware" is left blank, NO mounting hardware will be supplied.</small>	R Housing code

When ordering, specify:

Enclosure / Internal Width / Internal Mounting Style / Power / Optional Mounting Hardware [Housing]

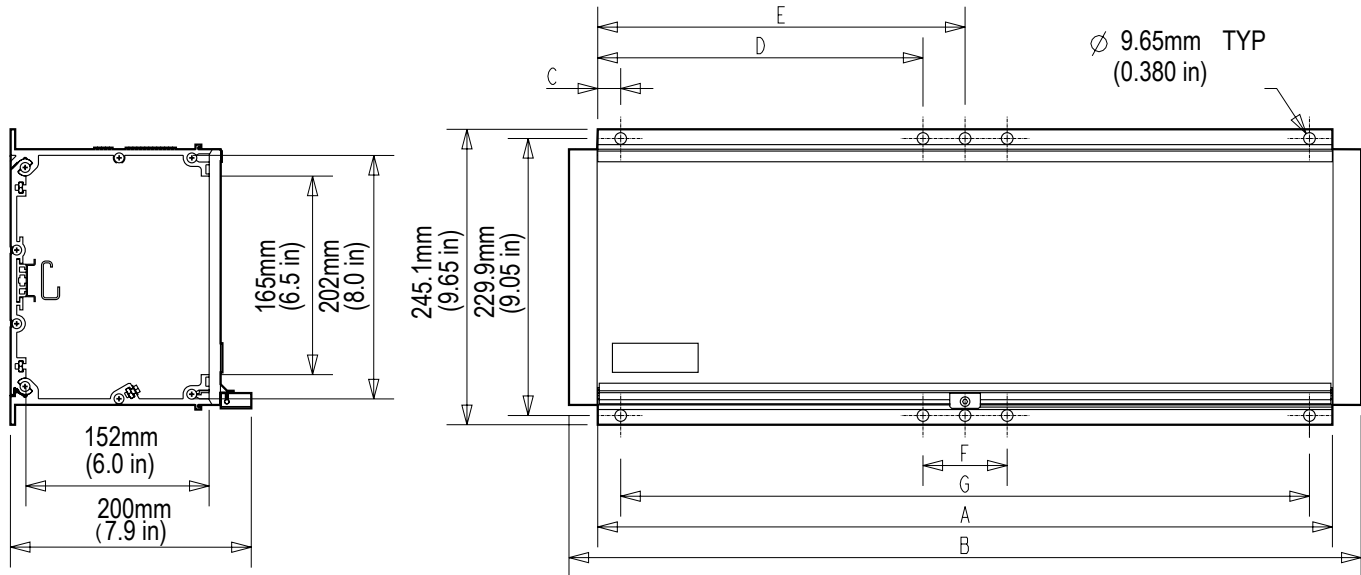
Model number example:

R-BOX / 6 / G / NP / -P [R]

R-BOX

Field-Mount Enclosure for
DIN Rail-Mount Instruments

Installation and Mounting Dimensions



R-BOX Mounting and Dimensions							
Dimensions mm/inch							
Width	A	B	C	D	E	F	G
3	76 / 3.0	124 / 4.9	3.8 / .15	-	38.1 / 1.50	-	68.6 / 2.70
6	152 / 6.0	200 / 7.9	41.3 / 1.63	-	-	-	69.9 / 2.75
9	229 / 9.0	276 / 10.9	79.4 / 3.13	-	-	-	69.9 / 2.75
12	305 / 12.0	353 / 13.9	19.1 / .75	117.5 / 4.63	-	69.9 / 2.75	266.7 / 10.50
18	457 / 18.0	505 / 18.9	19.1 / .75	193.7 / 7.63	-	69.9 / 2.75	419.1 / 16.50
24	610 / 24.0	657 / 25.9	19.1 / .75	269.9 / 10.63	-	69.9 / 2.75	571.5 / 22.50



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