



**Features**

- Meets NEMA 12 (IP52) when hinged door is snapped in place
- Meets NEMA 4X (IP67) when door is clamped by a locking key
- Fits all 1/8 DIN Laureates and most other 1/8 DIN instruments
- Utilizes existing 1/8 DIN cutout -- no extra panel holes required
- Made of high-impact polycarbonate -- no metal parts to corrode
- Hinged door for easy access to instrument
- Low cost

**Description**

**Model IPC Splashproof Cover** is a rugged, impact resistant, clear lens that fits over a 1/8 DIN instrument to make it dust and water proof from the front of the panel. Sealing meets NEMA 12 (IP52) standards for water splash and dust protection when the hinged door is simply snapped in place. Sealing meets NEMA 4 (IP67) standards for hose-directed water when the hinged door is further clamped down with a provided plastic locking key.

of clear silicone grease, or other approved sealant, to the mating groove to prevent any ingress of liquid and enable the cover to withstand steam cleaning.



*Model IPC splashproof cover*

**Model IPC** fits all Laurel 1/8 DIN instruments as well as 1/8 DIN instruments by other manufacturers, provided that instrument dimensions in front of the panel do not exceed 48 x 96 x 15 mm (1.89" x 3.78" x 0.59"). Model IPC can be purchased as an add-on option for new instruments, or be fitted to existing installations.

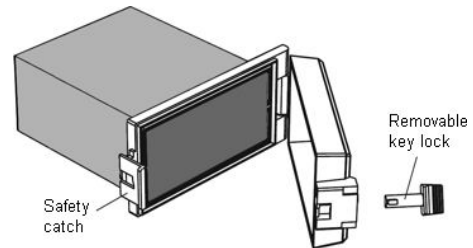
**The IPC assembly** utilizes a clear base and clear door with a cam hinge. The hinge is captive when the base and meter are installed, and allows the door to be opened for easy access to the meter for programming or setpoint adjustment. The base can be sealed against the instrument panel by an O-ring or a self-adhesive neoprene gasket, both provided.

**A capillary seal** is formed between the door and the base by a tapered recess in the door and a tapered ridge in the base. Capillary action causes a small amount of water to be drawn in between the two surfaces, thereby producing a water-tight film around the sealing area. For applications where fluid residues are unacceptable, such as food processing, apply a light coating



*Box2 wall-mount enclosure with IPC splash-proof cover. Suitable for 1/8 DIN instruments up to 160 mm deep.*

**The door is latched** against the base by a locking tab when the door is snapped shut. Positive clamping of the door and protection against opening of the locking tab by hose-directed water are provided by a locking key, which remains in place to provide a much higher clamping force than the tab alone.



*A removable key lock is required to open the IPC splash-proof cover.*

**Model IPC is easy to install.** It utilizes the existing 1/8 DIN panel cutout (45 x 92 mm). No new panel holes are required.

## Specifications

<b>Mechanical</b>	
Instrument panel cutout	1/8 DIN, 45 x 92 mm (1.77" x 3.62")
External dimensions, base	115.3 x 55.4 x 6.1 mm (4.54" x 2.18" x 0.25")
External dimensions, door	103.4 x 54.4 x 18.0 mm (4.07" x 2.14" x 0.71")
Protrusion in front of panel	23.8 mm (0.94")
Sealing, door to cover base	Capillary seal
Sealing, base to instrument panel	O-ring gasket or adhesive gasket (both provided)
Provision for assembly integrity	Door is captive when IPC assembly is panel mounted
<b>Materials</b>	
Base, door & locking key	Transparent polycarbonate
Provision for corrosion resistance	No metal parts
Gaskets	O-ring gasket or self-adhesive neoprene gasket.
<b>Sealing Performance</b>	
Hinged door snapped in place	NEMA 12 (IP52) protection, dust and splashed water.
Hinged door locked by locking key	NEMA 4 (IP67) protection against hose-directed water.

## Ordering Guide

<b>IPC</b>	Add-On Splashproof Front Cover for 1/8 DIN Meters. Sealed to IP67 / NEMA-4.
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