Instructions,
IPC Splashproof Cover

IPC Overview

Model IPC 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 M3 screw and locking nut. The nut is held in a hexagonal cavity in the backside of the black base.

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 97 x 27 mm (1.89" x 3.82" x 1.06").

The IPC assembly comes with a black base (or mounting frame) and a clear door with a cam hinge. The hinge is captive when the base and meter are installed. It allows the door to be opened for easy access to the meter for programming or setpoint adjustment. The base and clear door each come with an integral gasket for a watertight and dust-tight fit. No loose gaskets need to be installed.

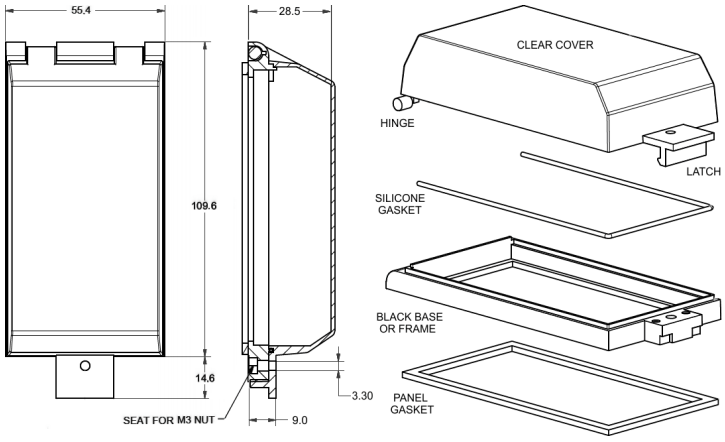
For applications where fluid residues not acceptable, such as food processing, apply a light coating of clear silicone grease, or other approved sealant, to the mating groove to prevent any ingress of liquid and enable the cover to withstand steam cleaning.

IPC Installation

1. Ensure that the instrument panel has a 1/8 DIN, 45 x 92 mm (1.77" x 3.62") cutout. Press in the pawls on the side of a Laureate meter. Verify that the meter fits in the cutout, then remove the meter.
2. Remove the gasket that comes with a Laureate meter. Sealing will be provided by the gasket of the IPC.
3. Slip the meter through the opening of the black base. Orient the base so that its gasket will be against the panel and the door hinge will be to the right or left, as desired.
4. Insert the door pin into to the mating channel of the base.
5. If use of the M3 locking screw is desired, press the M3 nut into the hexagonal cavity at the back of the base. Insert the screw to temporarily hold the nut.
6. Insert the meter with the attached base and door through the 1/8 DIN opening of the panel. Compress the panel gasket.
7. Use a Phillips screwdriver to secure a Laureate meter. The first clockwise turn will spread the two pawls outward. The next turns will tighten the meter against the instrument panel.
8. To secure the door, bend down the latch until it clicks twice.

Specifications

Panel cutout	1/8 DIN, 45 x 92 mm (1.77" x 3.62")
Base dimensions	119 x 56 x 8 mm (4.68" x 2.20" x 0.31")
Door dimensions	110 x 56.4 x 28.5 mm (4.33" x 2.20" x 1.12")
Inside depth	27 mm (1.06")
Base-to-panel seal	Gasket bonded to base
Door-to-base seal	Silicone gasket mounted in door
Base material	Black polycarbonate
Door material	Clear polycarbonate
M3 screw & nut	Stainless steel
Sealing level	NEMA 12 (IP52) with latch only. NEMA 4 (IP67) with latch & M3 screw.



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