

LCP-1 DC

Transient Protection



STANDARD FEATURES

- Low cost, non-serviceable
- Self-contained; NEMA 1, 2, 3, 11 enclosure
- Effective series protection for strain gauge transducers
- Encapsulated circuitry ensures positive protection against fungus or corrosion on boards
- Two nylon strain reliefs for 0.187 in-0.312 in (4.7 mm-7.9 mm) diameter cable

SPECIFICATIONS

PROTECTION TYPE:
Four-channel series type with separate shield

MAXIMUM EXCITATION VOLTAGE:
18VDC or 18VAC

CLAMPING VOLTAGE:
75VDC or 75VAC

CLAMPING TIME:
<100 nanoseconds typical

PEAK SURGE CURRENTS:
5,000 Amps any line to ground and
5,000 Amps excitation to excitation

MAXIMUM SERIAL TRANSMISSION RATE:
30 Kbaud

GROUNDING:
Through a .25 in (6.35 mm) lug to a 20 ft
(6.1 m) insulated #10 AWG ground wire provided

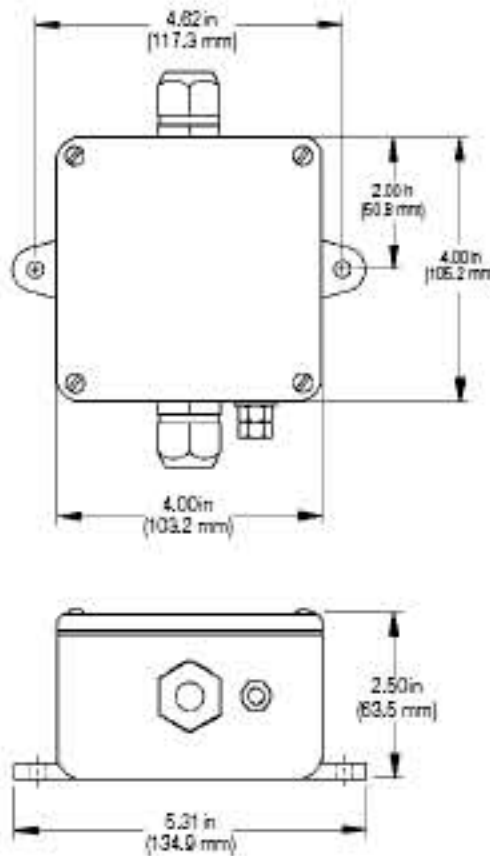
CABLE FITTING:
(2) Standard nylon strain relief for 0.187 in-0.312 in
(4.7 mm-7.9 mm) diameter cable

ENCLOSURE:
Chemically-resistant PVC. This device, for
outdoor or indoor service, is not intended
for washdown service (NEMA 4) or for
submersion (NEMA 6).
Optional NEMA 4X available

OPERATING TEMPERATURE:
14°F to 104°F (-10°C to 40°C) consistent
with NTEP guidelines

LEAKAGE:
7,500 MΩ minimum

DIMENSIONS:
4.0 in W x 4.0 in H x 2.50 in D
(103.2 mm W x 103.2 mm H x 63.5 mm D)



LCP-1

PART #	DESCRIPTION	EST. SHIP WEIGHT
21143.....	LCP-1 DC with cable compression fittings	2 lb