

# Intraground™ N1 Series Control Stations

## Nonmetallic

10 Amp, 600 Vac Max. for Heavy Duty Use.

NEC — N1 Series (Non-Factory Sealed): Ⓞ  
Class I, Division 1 and 2, Groups C, D  
NEMA 3R, 4X, 7CD, 12

### Applications

- Listed for use in Class I, Division 1 and 2, Group C and D atmospheres such as:
  - Diethyl ether
  - Methyl ethyl ketone
  - Acetone
  - Toluene
  - No. 3 fuel oil
  - Ammonium hydroxide (20%)
  - Benzene
  - Regular unleaded gas
  - Ethyl acetate
  - Hexane
  - Methanol
- Not suitable for:
  - Ethylene dichloride
  - Partially halogenated hydrocarbons
- Sealing fittings must be field installed adjacent to enclosure on all conduit runs.
- Explosionproof, with sealing fittings installed at each conduit entrance, the N1 Series enclosures withstood a hydrostatic test of four times the maximum internal explosion pressure that could be developed from a gas or vapor explosion.
- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or local hazardous location.

### Features

- Nonmetallic construction with metal imbedded grounding grid. No need to install special wires and parts for grounding. Feed-thru or dead-end grounded 1/2" or 3/4" conduit openings for threaded conduit.
- Special grounding wire furnished with each box provides safe grounding when cover is removed.
- Ideal for use in corrosive environments. Nonmetallic enclosures with corrosion resistant parts coated with epoxy, Teflon® ① or Mylar® ②, these control stations offer unsurpassed resistance to chemicals.
- Unique labyrinth-path construction assures flame-tight joint between body and cover.
- Silicone gasket, specially designed for the labyrinth-path joint, prevents entrance of moisture without interfering with the venting of cooled hazardous gases and vapors.
- Typical mechanical properties of 24,500 psi tensile strength, 3% elongation at break, 33,000 psi flexural strength, and 1,200,000 psi flexural modulus.
- Electrical properties of sample specimens: dielectric strength (in air) of 769 at 1/16".
- High strength thermoplastic polyetherimide, together with thick walls (5/16") and sound structural design (rounded corners) provides superior resistance to impact and crushing.
- Excellent resistance to ultraviolet light and water.
- Excellent conduit connection strength.
- Excellent resistance to attack by fungi and mold.
- Superior flammability resistance.



Push Button



Pilot Light



Selector Switch



Combination Push Button and Pilot Light



Combination Selector Switch and Pilot Light

### Related Products

- Sealing fitting must be installed at each conduit entrance of the N1 enclosure to be explosionproof. See *Hazardous Location Fittings Section*.

Ⓞ For Class I, Division 1 applications, sealing fittings must be field installed adjacent to enclosure on all conduit runs.

① Teflon and Mylar are registered trademarks of E. I. du Pont de Nemours and Company.

# Intraground™ N1 and N2 Series Control Stations

## Nonmetallic.

For use with N1 and N2 Series Bodies Only. All Covers Supplied with Four Bolts and Blank Nameplate. N1 Series– Neutral Color; N2 Series– Blue Color.

NEC – N1 Series (Non-Factory Sealed): ☉  
Class I, Division 1 and 2, Groups C, D  
NEMA 3R, 4X, 7CD, 12

NEC – N2 Series (Factory Sealed):  
Class I, Division 2, Groups B, C, D  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
NEMA 3R, 4X, 9EFG, 12

### Covers Only – for Use with Nonmetallic Mounting Bodies Below

	Description	Catalog Number	
		N1 Series	N2 Series
	<b>Pilot Light or Push Button Covers</b> 3/4" tapped openings One opening: one pilot light or one push button ☉	<b>N1K-1PL</b>	<b>N2K-1PL</b>
	Two openings: two pilot lights; two push buttons – one pilot light and one push button ☉	<b>N1K-2PL</b>	<b>N2K-2PL</b>
	<b>Push Button or Selector Switch Covers</b> 1/2" tapped openings Two openings: selector switch or two push buttons	<b>N1K-2SP</b>	<b>N2K-2SP</b>
	<b>Push Button, Pilot light or Selector Switch Covers</b> One 3/4" top and two 1/2" bottom tapped openings One top and two bottom openings – one pilot light, two push buttons; one pilot light, one selector switch; or three push buttons ☉	<b>N1K-3JPB</b>	<b>N2K-3JPB</b>

### 1-Gang Nonmetallic Mounting Bodies – for use with Covers Above

	Description	Hub Size (Inches) ☉	Catalog Number	
			N1 Series	N2 Series
	Dead-End	1/2 or 3/4	<b>N1D75Q</b>	<b>N2D75Q</b>
	Feed-Thru	1/2 or 3/4	<b>N1DC75Q</b>	<b>N2DC75Q</b>

### Nameplate Mounting Bracket

Description	Catalog Number
 Bracket for N1, N2 Series  To order bracket with control station, add suffix <b>-NPBRKT</b> to end of catalog number.  <i>Note: Secure mount bracket using cover nameplate screws.</i>	<b>NPBRKT-N1N2</b>

☉ Furnished with 3/4" to 1/2" NPSM reducer.

☉ Furnished with a 3/4" to 1/2" NPT reducer.

☉ For Class I, Division 1 applications, sealing fittings must be field installed adjacent to enclosure on all conduit runs.