

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® Ⓞ or Mylar® Ⓞ, 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.

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

Intraground™ N1 and N2 Series Control Stations

Selector Switch Control Stations and Fire Alarm Station. Nonmetallic

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

	Hub Size (Inches) ①	Pilot Light Diagram	Switch Diagram			Catalog Number	
			Left	Center	Right	With Pilot Light	With Out Pilot Light
Dead-End							
	1/2 or 3/4 — Pilot Light and 2-Pos., 2-Cir. Selector Switch			None		N1D75-J112	N1D75-12
						N2D75-J112	N2D75-12
	1/2 or 3/4 — Pilot Light and 2-Pos., 4-Cir. Selector Switch			None		N1D75-J135	N1D75-35
						N2D75-J135	N2D75-35
<i>Note: Standard legend plate reads Hand/Auto</i>							
	1/2 or 3/4 — Pilot Light and 3-Pos., 2-Cir. Selector Switch					N1D75-J1102	N1D75-102
						N2D75-J1102	N2D75-102
	1/2 or 3/4 — Pilot Light and 3-Pos., 4-Cir. Selector Switch					N1D75-J1345	N1D75-345
						N2D75-J1345	N2D75-345
<i>Note: Standard legend plate reads Hand/Off/Auto</i>							
Feed-Thru							
	1/2 or 3/4 — Pilot Light and 2-Pos., 2-Cir. Selector Switch			None		N1DC75-J112	N1DC75-12
						N2DC75-J112	N2DC75-12
	1/2 or 3/4 — Pilot Light and 2-Pos., 4-Cir. Selector Switch			None		N1DC75-J135	N1DC75-35
						N2DC75-J135	N2DC75-35
<i>Note: Standard legend plate reads Hand/Auto</i>							
	1/2 or 3/4 — Pilot Light and 3Pos., 2-Cir. Selector Switch					N1DC75-J1102	N1DC75-102
						N2DC75-J1102	N2DC75-102
	1/2 or 3/4 — Pilot Light and 3-Pos., 4-Cir. Selector Switch					N1DC75-J1345	N1DC75-345
						N2DC75-J1345	N2DC75-345
<i>Note: Standard legend plate reads Hand/Off/Auto</i>							

Fire Alarm Station, Factory Sealed – Universal Contacts, with hammer on chain



Hub Size (Inches) ①	Description	Catalog Number	
		N1 Series ☉ (Neutral Color)	N2 Series (Red Color)
Dead-End			
1/2 or 3/4	Universal 2 Position, 1 Circuit		N1D75FA-U1 N2D75FA-U1
Feed-Thru			
1/2 or 3/4	Universal 2 Position, 1 Circuit		N1DC75FA-U1 N2DC75FA-U1
Replacement Glass (For N1 or N2)			
			NFA-G

① 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. Do not use in atmospheres containing electrically conductive dusts (most coal dusts are not electrically conductive).