

Intraground® N1 Series Control Stations

Nonmetallic

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

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

Controls

CONTROLS: HAZARDOUS LOCATION CONTROL STATIONS AND SWITCHES

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.



Push Button



Pilot Light



Selector Switch



Combination Push Button and Pilot Light



Combination Selector Switch and Pilot Light

- Superior flammability resistance.

Related Products

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

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

Intraground® N2 Series Control Stations

Nonmetallic

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

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

Applications

- Listed for use in Class I, Division 2, Group B, 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.
- Listed for use in Class II, Division 1 and 2, Groups E, F and G.
- Dust-tight construction. After 32 hour UL test, no magnesium dust entered the enclosure.
- 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

- Factory sealed — no external seals required.
- 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.
- Silicone gasket, specially designed for the labyrinth-path point between cover and body, prevents entrance of moisture and dust.
- Molded of high-tensile 30% glass reinforced thermoplastic polyetherimide. Enclosure walls are 5/16" thick.
- Typical mechanical properties of 17,000 psi tensile strength, 3% elongation at break, 27,000 psi flexural strength, and 1,100,000 psi flexural modulus (UL tests showed 18,918 psi tensile strength and 30,675 psi flexural strength).
- Electrical properties of sample specimens: dielectric strength of 490 at 1/8" and a comparative track index of 185V/0.058".
- Superior impact resistance.
- Extremely low water absorption. This important quality assures dimensional stability.
- Excellent resistance to ultraviolet light and water.
- UL Temperature Index (continuous use temperature): 266°F/130 °C electrical properties, 266°F/130 °C mechanical properties with impact, and 284 °F/140 °C mechanical properties without impact.
- Superior flammability resistance.
- Excellent pull-out resistance.



Push Button



Pilot Light



Selector Switch



Combination Push Button and Pilot Light



Combination Selector Switch and Pilot Light


Intraground® N1 and N2 Series Control Station Push Button Accessories and Parts

Nonmetallic

10 Ampere, 600 Vac Max. for Heavy Duty Use. N1 Series – Neutral Color; N2 Series – Blue Color.

Controls

CONTROLS: HAZARDOUS LOCATION CONTROL STATIONS AND SWITCHES

Description		Catalog Number
Pilot Light Jewel/Guard Assembly		
<i>The below catalog numbers indicate an assembly of the Pilot Light Jewels and Guards. Jewels and Guards are not available as separate items.</i>		
	Amber Jewel/Guard	JGBNA
	Blue Jewel/Guard	JGBNB
	Clear Jewel/Guard	JGBNC
	Green Jewel/Guard	JGBNG
	Opal Jewel/Guard	JGBNO
	Red Jewel/Guard	JGBNR

Replacement Bulbs



EPL-B6W



EPLLEDR

Clear Bulbs

Furnished with candelabra base. 6 Watt, 120 Vac, Type 6S6

EPL-B6W

LED Replacements

Furnished with candelabra base. 120 Vac, 10 mA

Red LED

EPLLEDR

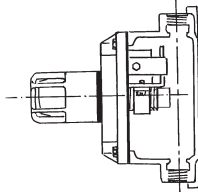
Green LED

EPLLEDG

Amber LED

EPLLEDA

Transformer



Add Suffix as listed below. Transformer clamps directly to pilot light barrel.
Only one pilot light transformer assembly per one gang body.

Primary Vac	Lamp Vac	Suffix
220	120	TR2
277	120	TR3
440	120	TR4
550	120	TR5

Nameplates for Pilot Light



LNPRUNQ

Description	Catalog Number	Description	Catalog Number
Blank	LNPBQ	Reset	LNPRESETQ
Forward	LNPFWDQ	Off	LNPOFFQ
Jog	LNPJOGQ	On	LNPONQ
Run	LNPRUNQ	Reverse	LNPREVQ
Stop	LNPSPQ	Close	LNPCLOSEQ
Start	LNPSTQ	Open	LNPOPENQ
Down	LNPDOWNQ	Up	LNPUPQ
Fast	LNPFASTQ	Test	LNPTESTQ
Slow	LNPSLOWQ	Low	LNPLOWQ
Raise	LNPRASEQ	High	LNPHIGHQ
Lower	LNPLOWERQ		