

# N2S and N2SC Series Control Stations

**Factory Sealed, Corrosion-Resistant  
600VAC Heavy Duty**

Cl. I, Div. 2, Groups B, C, D  
NEMA 3, 4X, 7BCD (Div. 2), 12  
Watertight  
Weatherproof  
Dust-tight

## Applications:

N2S and N2SC pushbutton stations, selector switches and pilot lights are suitable for use:

- In Class I, Groups B, C, D; Division 2 hazardous areas where flammable vapors or gases may be present due to accidental or abnormal operation
- In damp, wet, or corrosive locations
- Indoors or outdoors in Division 2 areas of petroleum refineries, chemical plants and other process industry facilities where similar hazards exist

N2S and N2SC pushbutton stations and selector switches are used:

- In conjunction with magnetic starters or contactors for remote control of motors
- N2S and N2SC pilot lights are used: To visually indicate at a remote location that the desired function is being performed

Optional maintained stop pushbutton(s) are used: As emergency or normal stop button(s) in motor control circuits for positive shutdown.

## Features:

- Pushbutton stations, pilot lights, and selector switch devices are factory sealed. External seals are not required.
- Enclosures are made of *Krydon*<sup>®</sup> fiberglass-reinforced polyester material having excellent corrosion resistance and stability to heat and sunlight.
- Optional maintained stop feature operates by depressing the mushroom head pushbutton. Pushbutton must be manually pulled before start button can be actuated.
- Lockout is standard on selector switch devices.
- Factory installed dead end (N2S) or through feed (N2SC) hubs – 1/2", 3/4", and 1" sizes.
- Indicating plates are available with a choice of 40 standard markings.
- Grounding plate included with each hub.

## Certifications and Compliances:

- NEC: Class I, Division 2, Groups B, C & D
- NEMA: 3, 4X, 7BCD (Division 2) and 12
- UL Standard: 1203
- CSA Standard: C22.2 Nos. 14 & 30

## Electrical Rating Ranges:

- Pushbutton stations and selector switches – heavy duty 600 VAC maximum
- Pilot lights – 120 to 600 VAC



## Options:

The following special options are available from factory by adding suffix to Cat. #:

### Description

Padlock attachments for all pushbuttons. For "START-STOP" stations, only "STOP" button provided with lockout (lockout standard with STOP).....

**Suffix**

**S708**

### Three position selector switches with modified operation:

Momentary contact clockwise operation, spring return to center, maintained contact counterclockwise operation .....

**S634**

Momentary contact counterclockwise operation, spring return to center, maintained contact clockwise operation .....

**S635**

### Control station with maintained stop pushbutton (requires NCD type enclosure):

One maintained stop pushbutton .....

**MSR1**

Two maintained stop pushbuttons .....

**MSR2**

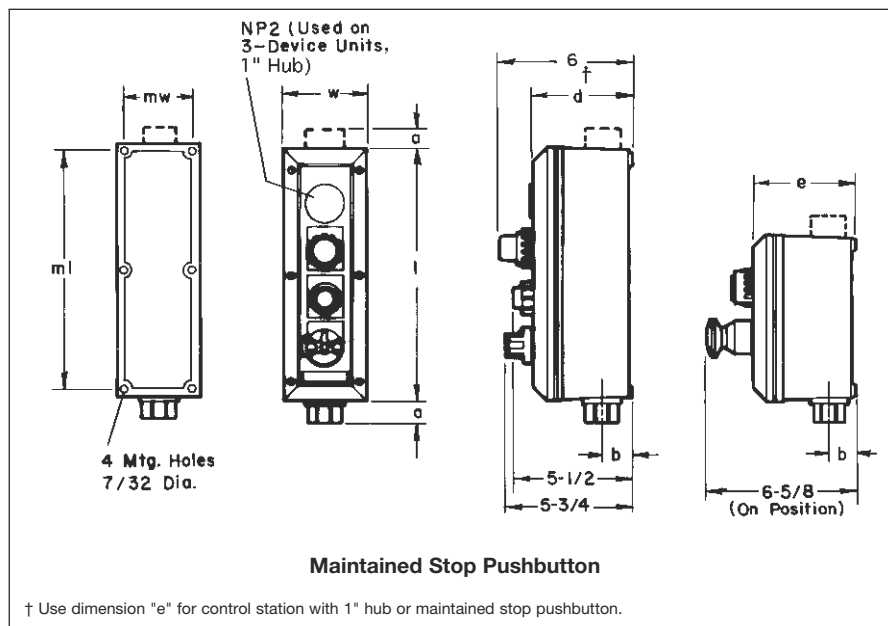
Maintained stop pushbuttons are installed at bottom position(s) of control station unless otherwise specified.

LED pilot lights in place of standard incandescent pilot lamps .....

**LED**

## Dimensions

### In Inches:



Dimensions are approximate, not for construction purposes.

| N2S(C)<br>Body<br>Style | Outside<br>Dims.<br>l | w       | (NCS)*<br>d | (NCD)*<br>e | Mounting<br>Dims.<br>ml | mw      | 1/2" & 3/4"<br>Hubs<br>a | 1"<br>Hubs<br>a | b     | b      |
|-------------------------|-----------------------|---------|-------------|-------------|-------------------------|---------|--------------------------|-----------------|-------|--------|
| 1 or 2<br>devices       | 7 1/4                 | 3 13/16 | 4 3/8       | 5 3/8       | 6 3/8                   | 2 15/16 | 1 1/8                    | 1 1/16          | 1 1/4 | 1 5/16 |
| 3 or 4<br>devices       | 11 3/4                | 3 13/16 | 4 3/8       | 5 3/8       | 10 7/8                  | 2 15/16 | 1 1/8                    | 1 1/16          | 1 1/4 | 1 5/16 |

\*NCS box is supplied with units using 1/2" and 3/4" hubs. NCD box is supplied with units using 1" hubs or MSR option.

‡ NCD 4 device box used with 1" hubs or MSR option.

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Weatherproof  
Dust-tight

**4C**

## Ordering Information - With Pilot Lights†\*

| No. Units | Diagram | Volts | Enclosure with Pilot Lights<br>1/2" Hubs |                     | 3/4" Hubs       |                     | 1" Hubs         |                     |
|-----------|---------|-------|------------------------------------------|---------------------|-----------------|---------------------|-----------------|---------------------|
|           |         |       | Dead End Cat. #                          | Through Feed Cat. # | Dead End Cat. # | Through Feed Cat. # | Dead End Cat. # | Through Feed Cat. # |
| 1         |         | 120   | N2S1131 ①                                | N2SC1131 ①          | N2S2131 ①       | N2SC2131 ①          | N2S3131 ①       | N2SC3131 ①          |
|           |         | 240   | N2S1132 ①                                | N2SC1132 ①          | N2S2132 ①       | N2SC2132 ①          | N2S3132 ①       | N2SC3132 ①          |
|           |         | 480   | N2S1134 ①                                | N2SC1134 ①          | N2S2134 ①       | N2SC2134 ①          | N2S3134 ①       | N2SC3134 ①          |
|           |         | 600   | N2S1135 ①                                | N2SC1135 ①          | N2S2135 ①       | N2SC2135 ①          | N2S3135 ①       | N2SC3135 ①          |
| 2         |         | 120   | N2S1231 ①                                | N2SC1231 ①          | N2S2231 ①       | N2SC2231 ①          | N2S3231 ①       | N2SC3231 ①          |
|           |         | 240   | N2S1232 ①                                | N2SC1232 ①          | N2S2232 ①       | N2SC2232 ①          | N2S3232 ①       | N2SC3232 ①          |
|           |         | 480   | N2S1234 ①                                | N2SC1234 ①          | N2S2234 ①       | N2SC2234 ①          | N2S3234 ①       | N2SC3234 ①          |
|           |         | 600   | N2S1235 ①                                | N2SC1235 ①          | N2S2235 ①       | N2SC2235 ①          | N2S3235 ①       | N2SC3235 ①          |
| 3         |         | 120   | N2S1331 ①                                | N2SC1331 ①          | N2S2331 ①       | N2SC2331 ①          | N2S3331 ①       | N2SC3331 ①          |
|           |         | 240   | N2S1332 ①                                | N2SC1332 ①          | N2S2332 ①       | N2SC2332 ①          | N2S3332 ①       | N2SC3332 ①          |
|           |         | 480   | N2S1334 ①                                | N2SC1334 ①          | N2S2334 ①       | N2SC2334 ①          | N2S3334 ①       | N2SC3334 ①          |
|           |         | 600   | N2S1335 ①                                | N2SC1335 ①          | N2S2335 ①       | N2SC2335 ①          | N2S3335 ①       | N2SC3335 ①          |
| 4         |         | 120   | N2S1431 ①                                | N2SC1431 ①          | N2S2431 ①       | N2SC2431 ①          | N2S3431 ①       | N2SC3431 ①          |
|           |         | 240   | N2S1432 ①                                | N2SC1432 ①          | N2S2432 ①       | N2SC2432 ①          | N2S3432 ①       | N2SC3432 ①          |
|           |         | 480   | N2S1434 ①                                | N2SC1434 ①          | N2S2434 ①       | N2SC2434 ①          | N2S3434 ①       | N2SC3434 ①          |
|           |         | 600   | N2S1435 ①                                | N2SC1435 ①          | N2S2435 ①       | N2SC2435 ①          | N2S3435 ①       | N2SC3435 ①          |

## Ordering Information - With Selector Switches

| Style                          | Switch Position |   |   | Marking Unless Otherwise Specified | Enclosure With Selector Switch |                 |                     |
|--------------------------------|-----------------|---|---|------------------------------------|--------------------------------|-----------------|---------------------|
|                                | 1               | 2 | 3 |                                    | Hub Size                       | Dead End Cat. # | Through Feed Cat. # |
| Two-Position, Two-Circuit      | A1              |   |   | START-STOP (or Specify)            | 1/2                            | N2S1121 ②       | N2SC1121 ②          |
|                                | A2              |   |   |                                    | 3/4                            | N2S2121 ②       | N2SC2121 ②          |
|                                | 1               |   |   |                                    | 1                              | N2S3121 ②       | N2SC3121 ②          |
| Two-Position, Four-Circuit     | A1              |   |   | START-STOP (or Specify)            | 1/2                            | N2S1122 ②       | N2SC1122 ②          |
|                                | A2              |   |   |                                    | 3/4                            | N2S2122 ②       | N2SC2122 ②          |
|                                | B1              |   |   |                                    | 1                              | N2S3122 ②       | N2SC3122 ②          |
|                                | B2              |   |   |                                    |                                |                 |                     |
| Three-Position, Two-Circuit †  | A1              |   |   | Specify                            | 1/2                            | N2S1123 ②       | N2SC1123 ②          |
|                                | A2              |   |   |                                    | 3/4                            | N2S2123 ②       | N2SC2123 ②          |
|                                | 1               |   |   |                                    | 1                              | N2S3123 ②       | N2SC3123 ②          |
| Three-Position, Four-Circuit † | A1              |   |   | Specify                            | 1/2                            | N2S1124 ②       | N2SC1124 ②          |
|                                | A2              |   |   |                                    | 3/4                            | N2S2124 ②       | N2SC2124 ②          |
|                                | B1              |   |   |                                    | 1                              | N2S3124 ②       | N2SC3124 ②          |
|                                | B2              |   |   |                                    |                                |                 |                     |
| Three-Position, Four-Circuit † | A1              |   |   | Specify                            | 1/2                            | N2S1125 ②       | N2SC1125 ②          |
|                                | A2              |   |   |                                    | 3/4                            | N2S2125 ②       | N2SC2125 ②          |
|                                | B1              |   |   |                                    | 1                              | N2S3125 ②       | N2SC3125 ②          |
|                                | B2              |   |   |                                    |                                |                 |                     |

① Specify lens color for each pilot light. As an example, N2S1231 with one red and one green would be ordered as N2S1231-J1-J3.

| Color | Symbol | Color | Symbol |
|-------|--------|-------|--------|
| Red   | J1     | Clear | J10    |
| Green | J3     | Blue  | J11    |
| Amber | J6     |       |        |

② If desired, markings on indicating plates may be added to catalog number. Select from the list of standard markings below:

### Marking

|              |         |                                   |                                     |
|--------------|---------|-----------------------------------|-------------------------------------|
| Pushbuttons: | REVERSE | Selector Switches – Two-Position: | Selector Switches – Three-Position: |
| START        | OPEN    | RUN-JOG                           | RUN-OFF-JOG                         |
| STOP         | CLOSE   | HAND-AUTO                         | HAND-OFF-AUTO                       |
| ON           | UP      | FOR-REV                           | FOR-OFF-REV                         |
| OFF          | DOWN    | FAST-SLOW                         | FAST-OFF-SLOW                       |
| RUN          | IN      | OPEN-CLOSE                        | 1-OFF-2                             |
| JOG          | OUT     | UP-DOWN                           | OPEN-OFF-CLOSE                      |
| TRIP         | RAISE   | ON-OFF                            | UP-OFF-DOWN                         |
| RESET        | LOWER   | IN-OUT                            |                                     |
| TEST         |         | RAISE-LOWER                       |                                     |
| LIGHT ON     |         | START-STOP                        |                                     |
| HAND         |         |                                   |                                     |
| AUTOMATIC    |         |                                   |                                     |
| EMERGENCY    |         |                                   |                                     |
| FORWARD      |         |                                   |                                     |

† Pilot lights are transformer type except those rated 120 volts. Lamp type is 120MB, 120 volts, 3 watts.

\* LED pilot lights are available. Add suffix LED after last color symbol. See Options Sections for more information.

† Suffixes S634 or S635 may be used on these catalog numbers. See explanation in Options section.

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Watertight  
Weatherproof  
Dust-tight

## Ordering Information - With Pushbuttons – Momentary Contact

| No.<br>Units | Contact Symbol                                                                                                                                                                                                                                                                                                                          | Marking Unless<br>Otherwise<br>Specified | Enclosure with Pushbuttons |                    |                        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------|--------------------|------------------------|
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | Hub<br>Size                | Dead End<br>Cat. # | Through Feed<br>Cat. # |
| 1            |                                                                                                                                                                                                                                                        | START<br>(or Specify)                    | 1/2                        | N2S1110 ②          | N2SC1110 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 3/4                        | N2S2110 ②          | N2SC2110 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 1                          | N2S3110 ②          | N2SC3110 ②             |
| 2            |                                                                                                                                                                       | START-STOP<br>(or Specify)               | 1/2                        | N2S1210 ②          | N2SC1210 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 3/4                        | N2S2210 ②          | N2SC2210 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 1                          | N2S3210 ②          | N2SC3210 ②             |
| 3            |                                                                                      | Specify                                  | 1/2                        | N2S1310 ②          | N2SC1310 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 3/4                        | N2S2310 ②          | N2SC2310 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 1                          | N2S3310 ②          | N2SC3310 ②             |
| 4            |     | Specify                                  | 1/2                        | N2S1410 ②          | N2SC1410 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 3/4                        | N2S2410 ②          | N2SC2410 ②             |
|              |                                                                                                                                                                                                                                                                                                                                         |                                          | 1                          | N2S3410 ②          | N2SC3410 ②             |

## Ordering Information - Combination Control Stations

| Enclosure With Pushbuttons and Pilot Lights |             |                                                                                                                                                                         |          |             |       |                    |                        |       |                    |                        |
|---------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|-------|--------------------|------------------------|-------|--------------------|------------------------|
| Pilot<br>Lights*                            | Pushbuttons | Diagram                                                                                                                                                                 | Markings | Hub<br>Size | Volts | Dead End<br>Cat. # | Through Feed<br>Cat. # | Volts | Dead End<br>Cat. # | Through Feed<br>Cat. # |
| 1                                           | 1           |                                                                                        | Specify  | 1/2         | 120   | N2S12411 ①②        | N2SC12411 ①②           | 480   | N2S12414 ①②        | N2SC12414 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S22411 ①②        | N2SC22411 ①②           |       | N2S22414 ①②        | N2SC22414 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S32411 ①②        | N2SC32411 ①②           |       | N2S32414 ①②        | N2SC32414 ①②           |
|                                             |             |                                                                                       |          | 1/2         | 240   | N2S12412 ①②        | N2SC12412 ①②           | 600   | N2S12415 ①②        | N2SC12415 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S22412 ①②        | N2SC22412 ①②           |       | N2S22415 ①②        | N2SC22415 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S32412 ①②        | N2SC32412 ①②           |       | N2S32415 ①②        | N2SC32415 ①②           |
| 1                                           | 2           |                                                                                      | Specify  | 1/2         | 120   | N2S13421 ①②        | N2SC13421 ①②           | 480   | N2S13424 ①②        | N2SC13424 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S23421 ①②        | N2SC23421 ①②           |       | N2S23424 ①②        | N2SC23424 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S33421 ①②        | N2SC33421 ①②           |       | N2S33424 ①②        | N2SC33424 ①②           |
|                                             |             |   |          | 1/2         | 240   | N2S13422 ①②        | N2SC13422 ①②           | 600   | N2S13425 ①②        | N2SC13425 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S23422 ①②        | N2SC23422 ①②           |       | N2S23425 ①②        | N2SC23425 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S33422 ①②        | N2SC33422 ①②           |       | N2S33425 ①②        | N2SC33425 ①②           |
| 2                                           | 1           |   | Specify  | 1/2         | 120   | N2S13411 ①②        | N2SC13411 ①②           | 480   | N2S13414 ①②        | N2SC13414 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S23411 ①②        | N2SC23411 ①②           |       | N2S23414 ①②        | N2SC23414 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S33411 ①②        | N2SC33411 ①②           |       | N2S33414 ①②        | N2SC33414 ①②           |
|                                             |             |                                                                                      |          | 1/2         | 240   | N2S13412 ①②        | N2SC13412 ①②           | 600   | N2S13415 ①②        | N2SC13415 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S23412 ①②        | N2SC23412 ①②           |       | N2S23415 ①②        | N2SC23415 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S33412 ①②        | N2SC33412 ①②           |       | N2S33415 ①②        | N2SC33415 ①②           |
| 2                                           | 2           |   | Specify  | 1/2         | 120   | N2S14421 ①②        | N2SC14421 ①②           | 480   | N2S14424 ①②        | N2SC14424 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S24421 ①②        | N2SC24421 ①②           |       | N2S24424 ①②        | N2SC24424 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S34421 ①②        | N2SC34421 ①②           |       | N2S34424 ①②        | N2SC34424 ①②           |
|                                             |             |   |          | 1/2         | 240   | N2S14422 ①②        | N2SC14422 ①②           | 600   | N2S14425 ①②        | N2SC14425 ①②           |
|                                             |             |                                                                                                                                                                         |          | 3/4         |       | N2S24422 ①②        | N2SC24422 ①②           |       | N2S24425 ①②        | N2SC24425 ①②           |
|                                             |             |                                                                                                                                                                         |          | 1           |       | N2S34422 ①②        | N2SC34422 ①②           |       | N2S34425 ①②        | N2SC34425 ①②           |

① See page 541.

② See page 541.

\* LED pilot lights are available. Add suffix LED after last color symbol. See Options Sections for more information.

Ordering Information - Combination Control Stations

|                                                                                   |                                                                                   | Selector Switches<br>Position No.†                                                |                                                                                   |                                                                                   | Enclosure With Pilot Light, Pushbuttons and Selector Switch                       |                                                                                   |       |                    |    |                        |    |       |                    |    |                        |    |              |    |               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|--------------------|----|------------------------|----|-------|--------------------|----|------------------------|----|--------------|----|---------------|
| Pilot<br>Lights*†                                                                 | Push<br>buttons                                                                   | 1                                                                                 | 2                                                                                 | 3                                                                                 | Markings                                                                          | Hub<br>Size                                                                       | Volts | Dead End<br>Cat. # |    | Through<br>Feed Cat. # |    | Volts | Dead End<br>Cat. # |    | Through<br>Feed Cat. # |    |              |    |               |
| 1                                                                                 | 2                                                                                 | 2-Pos, 2-Cct                                                                      |                                                                                   |                                                                                   |                                                                                   | 1/2                                                                               | 120   | N2S145211 ①②       | ①② | N2SC145211 ①②          | ①② | 480   | N2S145214 ①②       | ①② | N2SC145214 ①②          |    |              |    |               |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 3/4                                                                               |       | N2S245211 ①②       | ①② | N2SC245211 ①②          | ①② |       | N2S245214 ①②       | ①② | N2SC245214 ①②          |    |              |    |               |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1                                                                                 |       | N2S345211 ①②       | ①② | N2SC345211 ①②          | ①② |       | N2S345214 ①②       | ①② | N2SC345214 ①②          |    |              |    |               |
|  |  |  |  |  |  |  |       | Specify            |    | 1/2                    |    | 240   | N2S145212 ①②       | ①② | N2SC145212 ①②          | ①② | N2S145215 ①② | ①② | N2SC145215 ①② |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |       |                    |    | 3/4                    |    |       | N2S245212 ①②       | ①② | N2SC245212 ①②          | ①② | N2S245215 ①② | ①② | N2SC245215 ①② |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |       |                    |    | 1                      |    |       | N2S345212 ①②       | ①② | N2SC345212 ①②          | ①② | N2S345215 ①② | ①② | N2SC345215 ①② |
| 1                                                                                 | 2                                                                                 | 3-Pos, 2-Cct                                                                      |                                                                                   |                                                                                   |                                                                                   | 1/2                                                                               | 120   | N2S145231 ①②       | ①② | N2SC145231 ①②          | ①② | 480   | N2S145234 ①②       | ①② | N2SC145234 ①②          |    |              |    |               |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 3/4                                                                               |       | N2S245231 ①②       | ①② | N2SC245231 ①②          | ①② |       | N2S245234 ①②       | ①② | N2SC245234 ①②          |    |              |    |               |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1                                                                                 |       | N2S345231 ①②       | ①② | N2SC345231 ①②          | ①② |       | N2S345234 ①②       | ①② | N2SC345234 ①②          |    |              |    |               |
|  |  |  |  |  |  |  |       | Specify            |    | 1/2                    |    | 240   | N2S145232 ①②       | ①② | N2SC145232 ①②          | ①② | N2S145235 ①② | ①② | N2SC145235 ①② |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |       |                    |    | 3/4                    |    |       | N2S245232 ①②       | ①② | N2SC245232 ①②          | ①② | N2S245235 ①② | ①② | N2SC245235 ①② |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |       |                    |    | 1                      |    |       | N2S345232 ①②       | ①② | N2SC345232 ①②          | ①② | N2S345235 ①② | ①② | N2SC345235 ①② |

① Specify lens color for each pilot light. As an example, N2S1231 with one red and one green would be ordered as N2S1231-J1-J3.

| Color | Symbol | Color | Symbol |
|-------|--------|-------|--------|
| Red   | J1     | Clear | J10    |
| Green | J3     | Blue  | J11    |
| Amber | J6     |       |        |

② If desired, markings on indicating plates may be added to catalog number. Select from the list of standard markings below:

| Marking      |                                   |                                     |  |
|--------------|-----------------------------------|-------------------------------------|--|
| Pushbuttons: | Selector Switches – Two-Position: | Selector Switches – Three-Position: |  |
| START        | REVERSE                           | RUN-OFF-JOG                         |  |
| STOP         | OPEN                              | HAND-OFF-AUTO                       |  |
| ON           | CLOSE                             | FOR-OFF-REV                         |  |
| OFF          | UP                                | FAST-OFF-SLOW                       |  |
| RUN          | DOWN                              | 1-OFF-2                             |  |
| JOG          | IN                                | OPEN-OFF-CLOSE                      |  |
| TRIP         | OUT                               | UP-OFF-DOWN                         |  |
| RESET        | RAISE                             |                                     |  |
| TEST         | LOWER                             |                                     |  |
| LIGHT ON     |                                   |                                     |  |
| HAND         |                                   |                                     |  |
| AUTOMATIC    |                                   |                                     |  |
| EMERGENCY    |                                   |                                     |  |
| FORWARD      |                                   |                                     |  |

‡ Pilot lights are transformer type except those rated 120 volts. Lamp type is 120MB, 120 volts, 3 watts.  
\* LED pilot lights are available. Add suffix LED after last color symbol. See Options Sections for more information.  
† Suffixes S634 or S635 may be used on these catalog numbers. See explanation in Options section.

### Ordering Information - Custom-Built, Factory Assembled Control Stations

To order your custom-built factory assembled control station, select the enclosure required and add the desired devices from listings below.

Custom-built factory assembled control stations may thus be ordered as follows:

#### Requirements:

3-device control station on *Krydon*® material enclosure with 3/4" through feed hubs, with 1 pilot light with green jewel, rated at 120V; 1 three position, two circuit selector switch marked HAND-OFF-AUTO; and 1 green single circuit pushbutton marked START.

#### ORDER:

NCDC23FA

N2P310-J3

N2SW11311-HAND-OFF-AUTO

N2PS1111G-START

Pilot light jewel symbol, pushbutton and selector switch plate markings are selected from footnote tables. Suffix FA indicates factory assembled.

Note that order of assembly of control stations should be listed in desired mounting order, reading from top to bottom of enclosure.

### Enclosures (NCD or NCDC enclosures must be used with MSR1 or MSR2)

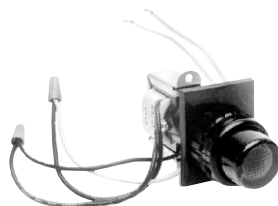
| No. of Devices | Without Hubs<br>Cat. # | With One Hub 1/2"<br>Cat. # | With Two Hub 1/2"<br>Cat. # | With One Hub 3/4"<br>Cat. # | With Two Hub 3/4"<br>Cat. # | With One Hub 1"<br>Cat. # | With Two Hub 1"<br>Cat. # |
|----------------|------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|
| 1              | NCD01                  | NCD11                       | NCDC11                      | NCD21                       | NCDC21                      | NCD31                     | NCDC31                    |
| 2              | NCD02                  | NCD12                       | NCDC12                      | NCD22                       | NCDC22                      | NCD32                     | NCDC32                    |
| 3              | NCD03                  | NCD13                       | NCDC13                      | NCD23                       | NCDC23                      | NCD33                     | NCDC33                    |
| 4              | NCD04                  | NCD14                       | NCDC14                      | NCD24                       | NCDC24                      | NCD34                     | NCDC34                    |

| No. of Devices | Without Hubs<br>Cat. # | With One Hub (3/4")<br>Cat. # | With Two Hub (3/4")<br>Cat. # | With One Hub (1/2")<br>Cat. # | With Two Hub (1/2")<br>Cat. # |
|----------------|------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 1              | NCS01                  | NCS21                         | NCSC21                        | NCS11                         | NCSC11                        |
| 2              | NCS02                  | NCS22                         | NCSC22                        | NCS12                         | NCSC12                        |
| 3              | NCS03                  | NCS23                         | NCSC23                        | NCS13                         | NCSC13                        |
| 4              | NCS04                  | NCS24                         | NCSC24                        | NCS14                         | NCSC14                        |

### Pilot Lights†\* Transformer Type

| Volts | Cat. #   |
|-------|----------|
| 120   | N2PL10 ① |
| 240   | N2PL20 ① |
| 480   | N2PL40 ① |
| 600   | N2PL50 ① |



### Pilot lights to be used in N2SU Series:

|       |                 |
|-------|-----------------|
| Red   | N2PLU10 J1 LED  |
| Green | N2PLU10 J3 LED  |
| Amber | N2PLU10 J6 LED  |
| Clear | N2PLU10 J10 LED |
| Blue  | N2PLU10 J11 LED |

① Specify lens color for each pilot light using symbols below.

| Color | Symbol | Color | Symbol |
|-------|--------|-------|--------|
| Red   | J1     | Clear | J10    |
| Green | J3     | Blue  | J11    |
| Amber | J6     |       |        |

† Pilot lights are transformer type except those rated 120 volts. Lamp type is 120MB, 120 volts, 3 watts.

\* LED pilot lights are available. Add suffix LED after last color symbol. See Options Sections for more information.

# N2S and N2SC Series Control Stations

**Factory Sealed, Corrosion-Resistant  
600VAC Heavy Duty**

Cl. I, Div. 2, Groups B, C, D  
NEMA 3, 4X, 7BCD (Div. 2), 12  
Watertight  
Weatherproof  
Dust-tight

**4C**

## Pushbutton Stations – Momentary Contact

| Color of Operator | 1 Circuit                                                                         |                  | 2 Circuit                                                                         |                  |
|-------------------|-----------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------|------------------|
|                   | Contact Symbol                                                                    | Universal Cat. # | Contact Symbol                                                                    | Universal Cat. # |
| Natural           |  | N2PS1111 ②       |  | N2PS1211 ②       |
| Red               |  | N2PS1111R ②      |  | N2PS1211R ②      |
| Green             |  | N2PS1111G ②      |  | N2PS1211G ②      |
| Red Mushroom Head |  | N2PM1111 S111 ②  |                                                                                   |                  |



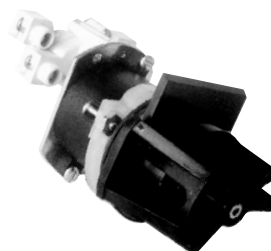
## Closure Plug



| Description  | Cat. # |
|--------------|--------|
| Closure Plug | NP2    |

## Selector Switches

| Style                            | Position 1                                                                             | Position 2                                                                          | Position 3                                                                          | Cat. #      |
|----------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|
| Two Position<br>Two Circuit      | A1    |    |                                                                                     | N2SW11211 ② |
|                                  | A2    |    |                                                                                     |             |
| Two Position<br>Four Circuit     | A1    |    |                                                                                     | N2SW12221 ② |
|                                  | A2    |    |                                                                                     |             |
|                                  | B1    |    |                                                                                     |             |
|                                  | B2    |    |                                                                                     |             |
| Three Position<br>Two Circuit †  | A1   |   |   | N2SW11311 ② |
|                                  | A2  |  |  |             |
| Three Position<br>Four Circuit † | A1  |  |  | N2SW12321 ② |
|                                  | A2  |  |  |             |
|                                  | B1  |  |  |             |
|                                  | B2  |  |  |             |
| Three Position<br>Four Circuit † | A1  |  |  | N2SW12322 ② |
|                                  | A2  |  |  |             |
|                                  | B1  |  |  |             |
|                                  | B2  |  |  |             |



② If desired, markings on indicating plates may be added to catalog number. Select from the list of standard markings below:

### Marking

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| Pushbuttons: | REVERSE | Selector Switches – | Selector Switches – |
| START        | OPEN    | Two-Positions:      | Three-Position:     |
| STOP         | CLOSE   | RUN-JOG             | RUN-OFF-JOG         |
| ON           | UP      | HAND-AUTO           | HAND-OFF-AUTO       |
| OFF          | DOWN    | FOR-REV             | FOR-OFF-REV         |
| RUN          | IN      | FAST-SLOW           | FAST-OFF-SLOW       |
| JOG          | OUT     | OPEN-CLOSE          | 1-OFF-2             |
| TRIP         | RAISE   | UP-DOWN             | OPEN-OFF-CLOSE      |
| RESET        | LOWER   | ON-OFF              | UP-OFF-DOWN         |
| TEST         |         | IN-OUT              |                     |
| LIGHT ON     |         | RAISE-LOWER         |                     |
| HAND         |         | START-STOP          |                     |
| AUTOMATIC    |         |                     |                     |
| EMERGENCY    |         |                     |                     |
| FORWARD      |         |                     |                     |

† Suffixes S634 or S635 may be used on these catalog numbers. See explanation in Options section.

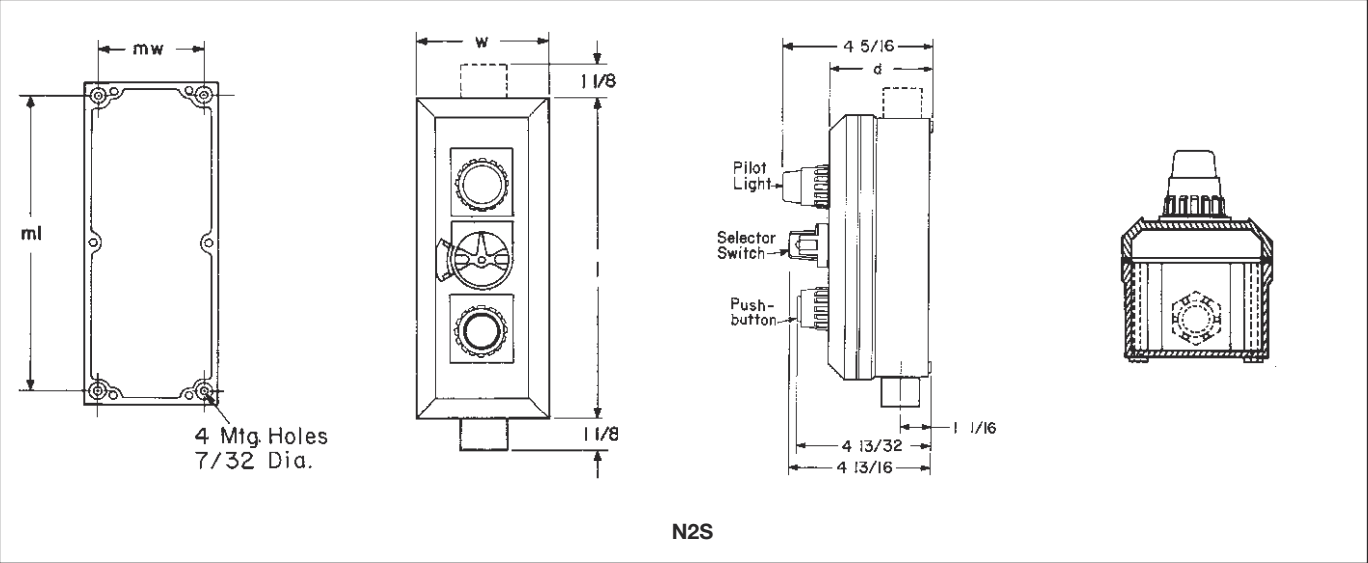
4C

# N2S and N2SC Series Control Stations

Factory Sealed, Corrosion-Resistant  
600VAC Heavy Duty

Cl. I, Div. 2, Groups B, C, D  
NEMA 3, 4X, 7BCD (Div. 2), 12  
Watertight  
Weatherproof  
Dust-tight

Dimensions  
In Inches:



For  $\frac{1}{2}$ " and  $\frac{3}{4}$ " hub sizes (for 1" hub and/or MSR option, see page 538).

| NCS(C) Body Style | Outside Dimensions |                   |                 | Mounting Dimensions |                   |
|-------------------|--------------------|-------------------|-----------------|---------------------|-------------------|
|                   | l                  | w                 | d               | ml                  | mw                |
| 1 device          | 7 $\frac{1}{4}$    | 3 $\frac{13}{16}$ | 4 $\frac{3}{8}$ | 6 $\frac{3}{8}$     | 2 $\frac{15}{16}$ |
| 2 devices         | 7 $\frac{1}{4}$    | 3 $\frac{13}{16}$ | 4 $\frac{3}{8}$ | 6 $\frac{3}{8}$     | 2 $\frac{15}{16}$ |
| 3 devices         | 9 $\frac{1}{2}$    | 3 $\frac{13}{16}$ | 4 $\frac{3}{8}$ | 8 $\frac{3}{8}$     | 2 $\frac{15}{16}$ |
| 4 devices         | 11 $\frac{3}{4}$   | 3 $\frac{13}{16}$ | 4 $\frac{3}{8}$ | 10 $\frac{7}{8}$    | 2 $\frac{15}{16}$ |