

N2SU and N2SCU control stations

Factory sealed, corrosion-resistant
600 VAC, heavy duty

Cl. I, Div. 2, Groups B, C, D
Cl. I, Zones 1 & 2, Ex de IIB + H₂
Cl. II, Div. 2, Groups F, G
NEMA 3, 4X, 7BCD (Div. 2), 12
IP66

Corrosion-resistant
Dusttight
Watertight
Weatherproof

4C

Applications:

N2SU and N2SCU 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 and Class I, Zones 1 and 2 areas of petroleum refineries, chemical plants and other process industry facilities where similar hazards exist

N2SU and N2SCU pushbutton stations and selector switches are used:

- In conjunction with magnetic starters or contactors for remote control of motors

N2SU and N2SCU 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:

- Compact, strong, durable enclosures are made of Vestamid™ – a black molded high impact strength, polyester material having excellent corrosion resistance and stability to heat
- Exterior parts of pushbuttons, pilot lights and selector switches are made of Krydon
- Pushbutton design uses a unique internal neoprene boot which completely encloses all internal parts; a wiping gasket around the pushbutton cleans the wall of the pushbutton guard of any foreign material accumulation as the button is operated
- Formed-in-place gasket and stainless steel screws for added corrosion resistance
- Pushbutton and pilot light guards are fluted for no-slip installation
- Factory installed dead end (N2SU) or through feed (N2SCU) hubs – $\frac{1}{2}$ " and $\frac{3}{4}$ " sizes
- Legend plates are available with 40 standard markings
- Lockout is standard on selector switch devices
- LED lamps are standard to provide longer life

Certifications and compliances:

UL standard:

- UL508

CSA standard:

- C22.2 Nos. 14, 30

Environmental ratings:

- NEMA 3, 4X, 7BCD, 12

Size range:

- 1-, 2-, 3- and 4-device units

Electrical ratings:

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

Options:

Description

- Padlock attachments for all pushbuttons **Suffix S708**

For "START/STOP" stations, only "STOP" button provided with lockout (lockout standard with "STOP")

- One maintained stop pushbutton..... **MSR1**

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**

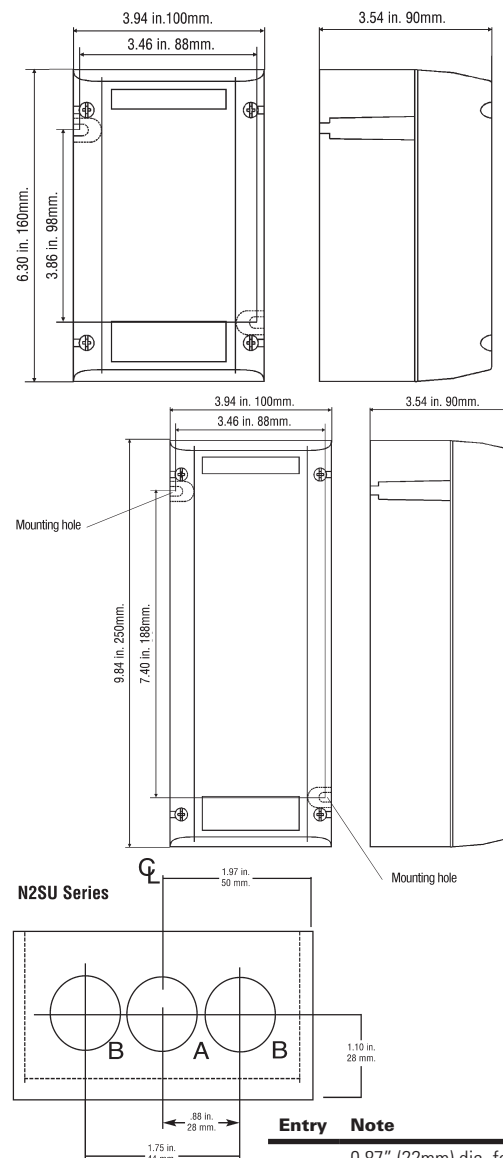
Note: In addition to hub arrangements shown, the following can be obtained by inserting these codes for the 4th and 5th character in the catalog number:

D = double $\frac{1}{2}$ " hubs at bottom

CD = single hub at top, double $\frac{1}{2}$ " hubs at bottom

DD = double $\frac{1}{2}$ " hubs at each end

Dimensions (in inches):



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
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Ordering information:






























With pushbuttons – momentary contact

No. of units	Contact symbol	Marking unless otherwise specified	Enclosure with pushbuttons		
			Hub size	Cat. # Dead end	Cat. # Through feed
1		START (or specify)	1/2"	N2S1110U ②	N2SC1110U ②
			3/4"	N2S2110U ②	N2SC2110U ②
2		START-STOP (or specify)	1/2"	N2S1210U ②	N2SC1210U ②
			3/4"	N2S2210U ②	N2SC2210U ②
3		Specify	1/2"	N2S1310U ②	N2SC1310U ②
			3/4"	N2S2310U ②	N2SC2310U ②
4		Specify	1/2"	N2S1410U ②	N2SC1410U ②
			3/4"	N2S2410U ②	N2SC2410U ②



Maintained pushbutton with pilot light control station

With selector switches[Ⓐ]

Style	Switch position			Marking unless otherwise specified	Enclosure with one selector switch		
	Position 1	Position 2	Position 3		Hub size	Cat. # Dead end	Cat. # Through feed
Two-position, two circuit	A1  A2 			START-STOP (or specify)	1/2"	N2S1121U ②	N2SC1121U ②
					3/4"	N2S2121U ②	N2SC2121U ②
Two-position, four circuit	A1  A2  B1  B2 	 		START-STOP (or specify)	1/2"	N2S1122U ②	N2SC1122U ②
					3/4"	N2S2122U ②	N2SC2122U ②
Three-position, two circuit	A1  A2 			Specify	1/2"	N2S1123U ②	N2SC1123U ②
					3/4"	N2S2123U ②	N2SC2123U ②
Three-position, four circuit	A1  A2  B1  B2 	 	 	Specify	1/2"	N2S1124U ②	N2SC1124U ②
					3/4"	N2S2124U ②	N2SC2124U ②
	A1  A2  B1  B2 	 	 	Specify	1/2"	N2S1125U ②	N2SC1125U ②
					3/4"	N2S2125U ②	N2SC2125U ②

②Specify indicating plate markings, if desired. Standard indicating plate markings are listed below:

Pushbuttons		
START	TEST	CLOSE
STOP	LIGHT ON	UP
ON	HAND	DOWN
OFF	AUTOMATIC	IN
RUN	EMERGENCY	OUT
JOG	FORWARD	RAISE
TRIP	REVERSE	LOWER
RESET	OPEN	
Two-position		Three-position
RUN, JOG	FAST, SLOW	IN, OUT
HAND, AUTOMATIC	OPEN, CLOSE	RAISE, LOWER
FORWARD, REVERSE	UP, DOWN	START, STOP
	ON, OFF	
		1, OFF, 2
		HAND, OFF, AUTOMATIC
		OPEN, OFF, CLOSE
		FORWARD, OFF, REVERSE
		UP, OFF, DOWN
		FAST, OFF, SLOW

[Ⓐ]Replacement switch for selector switches is catalog number ESWP126.

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Ordering information (continued):

With pilot lights – transformer type

No. of units	Diagram	Voltage	Enclosure with pilot lights [Ⓘ]			
			1/2" hubs		3/4" hubs	
			Cat. # Dead end	Cat. # Through feed	Cat. # Dead end	Cat. # Through feed
1		120	N2S1131U ①	N2SC1131U ①	N2S2131U ①	N2SC2131U ①
		240	N2S1132U ①	N2SC1132U ①	N2S2132U ①	N2SC2132U ①
2		120	N2S1231U ①	N2SC1231U ①	N2S2231U ①	N2SC2231U ①
		240	N2S1232U ①	N2SC1232U ①	N2S2232U ①	N2SC2232U ①
3		120	N2S1331U ①	N2SC1331U ①	N2S2331U ①	N2SC2331U ①
		240	N2S1332U ①	N2SC1332U ①	N2S2332U ①	N2SC2332U ①
4		120	N2S1431U ①	N2SC1431U ①	N2S2431U ①	N2SC2431U ①
		240	N2S1432U ①	N2SC1432U ①	N2S2432U ①	N2SC2432U ①

Combination control stations^{ⒾⒸ}

No. of pilot lights [Ⓘ]	No. of push-buttons	Diagram	Marking unless otherwise specified	Volts	Enclosure with pushbuttons and pilot lights [Ⓘ]			
					1/2" hubs		3/4" hubs	
					Cat. # Dead end	Cat. # Through feed	Cat. # Dead end	Cat. # Through feed
1	1		Specify	120	N2S12411U ①②	N2SC12411U ①②	N2S22411U ①②	N2SC22411U ①②
				240	N2S12412U ①②	N2SC12412U ①②	N2S22412U ①②	N2SC22412U ①②
1	2		START-STOP (or specify)	120	N2S13421U ①②	N2SC13421U ①②	N2S23421U ①②	N2SC23421U ①②
				240	N2S13422U ①②	N2SC13422U ①②	N2S23422U ①②	N2SC23422U ①②
2	1		Specify	120	N2S13411U ①②	N2SC13411U ①②	N2S23411U ①②	N2SC23411U ①②
				240	N2S13412U ①②	N2SC13412U ①②	N2S23412U ①②	N2SC23412U ①②
2	2		START-STOP (or specify)	120	N2S14421U ①②	N2SC14421U ①②	N2S24421U ①②	N2SC24421U ①②
				240	N2S14422U ①②	N2SC14422U ①②	N2S24422U ①②	N2SC24422U ①②

[Ⓘ]Pilot lights are transformer type except those rated 120 volts.

[Ⓒ]Replacement switch for selector switches is catalog number ESWP126.

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
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Ordering information (continued):

Combination control stations

No. of pilot lights ^①	No. of pushbuttons	Selector switch position			Markings	Enclosure with pilot light, pushbuttons and selector switch			
		Pos. 1	Pos. 2	Pos. 3		Hub size	Volts	Cat. # Dead end	Cat. # Through feed
1 	2 	Two-position, two circuit			Specify	1/2"	120	N2S145211U ①②	N2SC145211U ①②
		A1 				3/4"		N2S245211U ①②	N2SC245211U ①②
		A2 				1/2"	240	N2S145212U ①②	N2SC145212U ①②
		A2 				3/4"		N2S245212U ①②	N2SC245212U ①②
1 	2 	Three-position, two circuit			Specify	1/2"	120	N2S145231U ①②	N2SC145231U ①②
		A1 				3/4"		N2S245231U ①②	N2SC245231U ①②
		A2 				1/2"	240	N2S145232U ①②	N2SC145232U ①②
		A2 				3/4"		N2S245232U ①②	N2SC245232U ①②

4C

①Specify lens color for each pilot light

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

②Specify indicating plate markings, if desired. Standard indicating plate markings are listed below:

Pushbuttons		
START	TEST	CLOSE
STOP	LIGHT ON	UP
ON	HAND	DOWN
OFF	AUTOMATIC	IN
RUN	EMERGENCY	OUT
JOG	FORWARD	RAISE
TRIP	REVERSE	LOWER
RESET	OPEN	
Two-position		
RUN, JOG	FAST, SLOW	IN, OUT
HAND, AUTOMATIC	OPEN, CLOSE	RAISE, LOWER
FORWARD, REVERSE	UP, DOWN	START, STOP
	ON, OFF	
Three-position		
RUN, OFF, JOG	1, OFF, 2	
HAND, OFF, AUTOMATIC	OPEN, OFF, CLOSE	
FORWARD, OFF, REVERSE	UP, OFF, DOWN	
FAST, OFF, SLOW		

① Pilot lights are transformer type except those rated 120 volts.