

NEW

NEMA 1 Industrial Packaged Drive Solutions

UL 508A Approved 

The Emerson Advantage

Known worldwide for packaged products and engineered systems expertise, Control Techniques now offers an even wider variety of enclosure, power and control options. Emerson Control Techniques NEMA Type 1 enclosures are constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt, dust and debris. Our NEMA 1 Industrial Drive packages provide cost competitive solutions for indoor applications ranging from 1/3hp to 200hp.

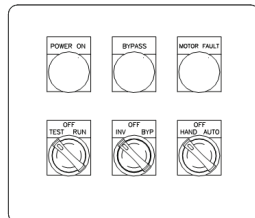
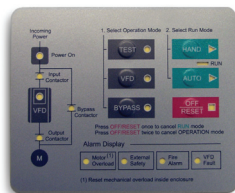


Ratings	
208V	0.33 - 50
230V	0.33 - 60
380V	0.33 - 150
460V	0.33 - 200
575V	0.33 - 60

Our broad range of NEMA 1 packaged products can be quoted, ordered and shipped quickly, complete and ready for installation and use.

Bypass operators

Electronic bypass (below, left) and Auto/Manual bypass (below, right) configurations are available.



BOXit!™ packaged solutions.

Control Techniques offers a broad range industrial drive and Motion Control products and accessories, including NEMA-rated enclosures, as well as power and control options.

BOXit!

PACKAGED SOLUTIONS

When your application requires enclosed systems, our exclusive “BOXit!” program provides pre-engineered, turnkey packaged-drive solutions to meet your specific application requirements.

When you need cost-effective, quick-turnaround packaged drive solutions, just say “BOXit!”

NEMA 1 Enclosures

Part number configurator - Package AC drives from 1/3 to 200hp

[Order Code digit number] →	BASE ORDER CODE										POWER & DOOR OPERATOR OPTIONS										CONTROL OPTIONS										0 - Does not apply to packaged AC drives.
	P	X	XXXX	X	X	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	0	0	0	
	1	2	3-6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				

[1] Package Type
P = Pre-Engineered

[2] Voltage Rating
1 = 115VAC Single Phase
A = 208VAC Single Phase
8 = 208VAC
B = 230VAC Single Phase
2 = 230VAC
3 = 380VAC
4 = 460VAC
5 = 575VAC
6 = 690VAC*
**Not UL labeled.*

[3] - [6] Horsepower Rating
00P3 = 1/4hp 0075 = 75hp
00P5 = 1/2hp 0100 = 100hp
00P7 = 3/4hp 0125 = 125hp
0001 = 1hp 0150 = 150hp
01P5 = 1 1/2hp 0200 = 200hp
0002 = 2hp 0250 = 250hp
0003 = 3hp 0300 = 300hp
0005 = 5hp 0350 = 350hp
0007 = 7 1/2hp 0400 = 400hp
0010 = 10hp 0450 = 450hp
0015 = 15hp 0500 = 500hp
0020 = 20hp 0600 = 600hp
0025 = 25hp 0700 = 700hp
0030 = 30hp 0800 = 800hp
0040 = 40hp 0900 = 900hp
0050 = 50hp 1000 = 1000hp
0060 = 60hp

[7] Duty Rating
N = Normal Duty (110% O.L.)
H = Heavy Duty (150% O.L.)

[8] Enclosure Style
0 = Panel Only
1 = NEMA 1
F = NEMA 1 (Fused Disconnect Only)
D = NEMA 3R Cube
T = NEMA 3R Slim
3 = NEMA 3R Fit
C = NEMA 12 (PPBF) Cube
S = NEMA 12 (PPBF) Slim
2 = NEMA 12 (PPBF) Fit

[9] Input Power Connection
0 = Main Lugs with Input Fusing
1 = Thru-door Disconnect Circuit Breaker
2 = Non-Fused Disconnect Switch
Input fuses for drives are included as standard for all input power options

[10] Product
K = Commander SK
P = Unidrive SP

[12] Bypass Option
0 = No Bypass
1 = Electronic 3-Contactor Bypass
2 = Auto 3-Contactor Bypass
3 = Manual 3-Contactor Bypass
Manual and Auto bypass options require the selection of door mounted operator station #5. Electronic bypass option is not compatible with any door mounted operators. Select door mounted operator option #0 (no operators).

[13] Door Mounted Operator Station
0 = Blank (No Operators)
1 = Stop PB, Start PB, Fault Light, Pot
2 = #1 + Jog PB, Fwd/Rev Sel Switch
3 = #2 + Power On Light
4 = HOA SS, Pot, Power On, VFD Run, Fault Light
5 = HOA SS Plus Bypass

[14] Door Mounted Keypad/HMI
0 = None
C = LCD Door-mounted Keypad
E = LED Door-mounted Keypad (SK only)
K = CTVUE-304K
L = CTVUE-303L
M = CTVUE-303M
N = CTVUE-303S
P = CTVUE-306M
Q = CTVUE-306MS
R = CTVUE-306A
S = CTVUE-308A
T = CTVUE-310C
U = CTVUE-310S
V = CTVUE-315C

[15] Input Filtering
0 = None
1 = Input Reactor 3%
2 = Input Reactor 5%
3 = RFI Filter
4 = Input Reactor 3% + RFI Filter
5 = Input Reactor 5% + RFI Filter
Enclosure size considerations. Addition of one or multiple filtering options may change the size and/or style of the enclosure.

[16] Output Filtering
0 = None
1 = Output Reactor 3%
2 = DV/DT Filter
3 = Sine Filter
4 = Output Reactor 1.5%

[17] Multiple Motor Overloads
0 = None, Drive Protected
2 = Two Motor Overloads
3 = Three Motor Overloads
Cumulative amp ratings of motors must not exceed the drive rating. Each motor must have its own overload protection. Multiple overloads are of equal size

[18] Space Heater
0 = None
1 = 150W
3 = 300W
4 = 400W
7 = 750W
Larger heaters can be chosen for extremely cold ambient temperatures.

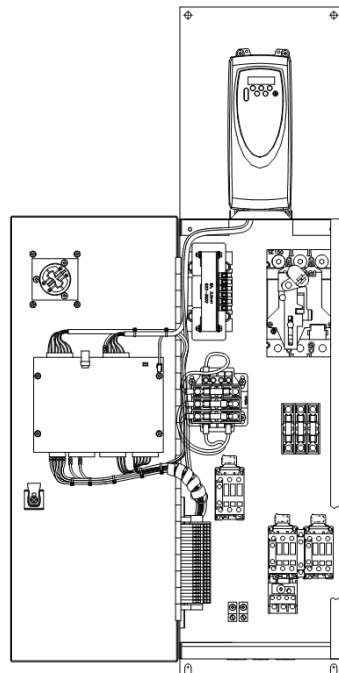
[19] Blower Motor Starter
0 = None
1 = 0.4A - 0.65A
2 = 0.6A - 1.1A
3 = 1.0A - 1.5A
4 = 1.3A - 1.9A
5 = 1.8A - 2.7A
6 = 2.5A - 4.1A
7 = 4.0A - 6.3A

[21] - [23] Option Module Slot(s)
0 = None
A = SM-APPS-LITE-V2
B = SM-APPS-PLUS
C = SM-BIPOLAR
D = SM-CANOPEN
E = SM-DEVICENET
F = SM-ENCODER-OUT
G = SM-ENCODER-PLUS
H = SM-ETHERCAT
I = SM-ETHERNET
J = SM-EZMOTION
K = SM-I/O-120V
L = SM-I/O-24V
M = SM-I/O-32
N = SM-I/O-LITE
P = SM-I/O-PLUS
Q = SM-I/O-TIMER
R = SM-INTERBUS
S = SM-LON
T = SM-PROFIBUS-DP
U = SM-PROFINET
V = SM-REGISTER
W = SM-RESOLVER
Y = SM-SERCO
Z = SM-UNI-ENCODER
Maximum of one option module can be selected for Commander SK. Maximum of three option modules can be selected for Unidrive SP.

[24] Phase Loss Monitor
0 = None
1 = Yes

[25] 3-15 PSI Converter Card
0 = None
1 = Yes

[26] Temperature Controller
0 = None
1 = Thermocouple
2 = RTD



◀ AutoCad® drawings are available for most product configurations. Shown is the layout of a Commander SK, 5hp, 460VAC, NEMA 1 package with electronic bypass, circuit breaker and input reactor.

NOTE: For options not included in the Order Code configurator, please consult factory for a custom quote.