

## Variable Frequency / Variable Speed Drive Controls

**Variable Frequency, Variable Speed Drives (VFD/VSD)** from *Invertek Drives* reduce energy consumption by controlling and adjusting the speed required to run electric motors in a wide variety of applications.

These controls allow motors to “ramp-up” to required speeds vs. immediate full amp draw that occurs with typical motor starters. Energy savings can be quite substantial as energy bills are normally based on “full load amp draw”. (*Energy saving calculator app is available for most any application*).

**Features:** Rugged design • 1/2 HP to 350 HP • Fast set up and simple to operate • Bluetooth connectivity • Primarily designed for 3 phase applications as shown, but single phase models up to 5 HP are available • Easily switch modes with the touch of a button for industrial, pump or fan applications.

Ideal for use with electric motors on pump systems, conveyors, HVAC systems, process controls, elevators, cranes, machine tools (*IP66 and IP55 are standard with coated heatsink that are rated for food grade applications*).



**IP20**  
No Enclosure



**NEMA 4X** Enclosure

**IP20 (No enclosure) Models** are designed for mounting into existing or new electrical control panels. 240 or 460 volt options shown.

Part No.	HP	Phase	* Voltage	Amps	Enclosure
OD E3-220105-3F42	3	3	200-240V	10.5	None
OD E3-320180-3F42	5	3	200-240V	18	None
OD E3-320240-3F42	7.5	3	200-240V	24	None
OD E3-420300-3F42	10	3	200-240V	30	None
OD E3-420460-3F42	15	3	200-240V	46	None
OD V3-520610-3F12TN	20	3	200-240V	61	None
OD V3-520720-3F12TN	25	3	200-240V	72	None
OD E3-240058-3F42	3	3	380-460V	5.8	None
OD E3-240095-3F42	5	3	380-460V	9.5	None
OD E3-340140-3F42	7.5	3	380-460V	14	None
OD E3-340180-3F42	10	3	380-460V	18	None
OD E3-340240-3F42	15	3	380-460V	24	None
OD E3-440300-3F42	20	3	380-460V	30	None
OD E3-440390-3F42	25	3	380-460V	39	None
OD E3-440460-3F42	30	3	380-460V	46	None

**Nema 4X (IP66) Enclosure Models** are dust-tight and washdown duty rated for **outdoor or indoor use**. 240 or 460 Volt option shown.

**Nema 12 (IP55) Enclosure Models** are dust-tight and watertight, but “not washdown duty rated”. For **indoor use only**. 240 Volt only in this series.

Part No.	HP	Phase	* Voltage	Amps	Enclosure
OD E3-220070-3F4A	2	3	200-240V	7.0	Nema 4X
OD E3-220105-3F4A	3	3	200-240V	10.5	Nema 4X
OD E3-320180-3F4A	5	3	200-240V	18	Nema 4X
OD E3-320240-3F4A	7.5	3	200-240V	24	Nema 4X
OD E3-420300-3F4A	10	3	200-240V	30	Nema 4X
OD E3-420460-3F4A	15	3	200-240V	46	Nema 4X
OD V3-520610-3F1INTN	20	3	200-240V	61	Nema 12X
OD V3-520720-3F1INTN	25	3	200-240V	72	Nema 12X
OD V3-520900-3F1INTN	30	3	200-240V	90	Nema 12X
OD E3-240095-3F4A	5	3	380-460V	9.5	Nema 4X
OD E3-340140-3F4A	7.5	3	380-460V	14	Nema 4X
OD E3-340180-3F4A	10	3	380-460V	18	Nema 4X
OD E3-340240-3F4A	15	3	380-460V	24	Nema 4X
OD E3-440300-3F4A	20	3	380-460V	30	Nema 4X
OD E3-440390-3F4A	25	3	380-460V	39	Nema 4X
OD E3-440460-3F4A	30	3	380-460V	46	Nema 4X

## Selector & Push Button Switches

### Features:

- Ambient operating temp: -10 to +140° F. (-25 to +60° C.)
- Any mounting position allowed.
- Polyamide and polycarbonate material.
- Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1.
- Mechanical Life: 300,000 cycles.
- Self-cleaning with dual effect, wiping and oscillating.
- Rated insulation voltage: 690V.
- UL designation: A600 Q600

Operational power in AC15:						
[V]	12	24	48	120	240	400 480
[A]	6	6	6	6	3	1.9 1.5

### LED Integrated Lamps

**Without mounting adapter.**  
**Steady light. (Flashing light available)**



**Part No.** **Color**  
**CE 8LM2TLB6** **Blue**

### Switches

**Contact Element & Mounting Adapter Required**



#### Switch Positions:

- ↙ Spring return position
- ↘ Key withdrawal position

**Part No.** **Position Type**  
**CE 8LP2TS221** Spring Return.....  
**CE 8LP2TS320** Key Withdrawal ...  
**\* Other positions available.**



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