

# VMX-PFE™

The Choice for Light and Medium Duty Industrial Applications  
200 - 480VAC, 1 - 28A, 1.5 - 20HP

*IEC Rated Soft Starter*



- Easy Setup just 3 settings
- Multi-Function LED Front Panel
- Start Duty: 3 x FLA within 23 sec.
- 24VDC Control Power
- Class 10 Overload Rating
- IP20 Enclosure
- Internal Bypass
- Only 1.8" wide (Size 1 and 2)
- DIN Rail Mounted

# VMX-PFE™ Series: The cost effective starter for small AC induction motors

## Key Features

### Over Current Protection

Protects the Soft Starter against usage above its duty rating.

### Internally Bypassed

Reduces cost once bypass is active. Reduces cabinet size and less heat produced.

### Only 1.8" Wide (Size 1)

Same width as typical contactor and enables a more compact cabinet to be used.

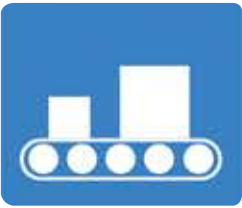
### Din-Rail Mount

For easy installation – it just clips on.

## Specifications

Operational Voltage	230 - 460 Vac (-15/+10%)
Rated Frequency	50 - 60 Hz +/- 2Hz
Index Rating	Class 10 – Ie: AC53b: 3-23: 697
Start per Hour	5 starts/stops per hour (max) - Class 10
Optimum Starts per Hour	30 starts/stops per hour (max) - Class 10 with optional fan
Internally Bypassed	Yes
Control Supply	24Vdc approx. 4VA supplied externally to terminals 0V - +24V
Enabled and Start/Soft Stop	24Vdc galvanically isolated terminals -A2, EN, +A1
Indication	Multifunction LEDs on front panel
Start Time	1 to 30 Seconds
Stop Time	0 to 30 Seconds
Start Duty	3 x FLC for 23 seconds at Trip Class 10 rating
Power Terminals	Input 1/L1, 3/ L2 & 5/L3 Output 2/T1, 4/T2, 6/T3 IP20 rated wire clamping terminals
Enclosure	UL evaluated Open Type/IP20
Ambient Temperature	0° to 104°F without de-rating
Transport/storage	-13°F to 140°F -13°F to 167°F (not exceeding 24 hours)
Altitude	3280 ft (1000m), above 328ft (100m) de-rate linearly by 1% of unit FLC per 328ft (100m), above 6562ft (2000m) contact factory.
Standards	IEC 60947-4-2; EN 60947-4-2 "AC Semiconductor Motor Controllers and Starters" UL, CE

## Typical Applications



Conveyors



Fans

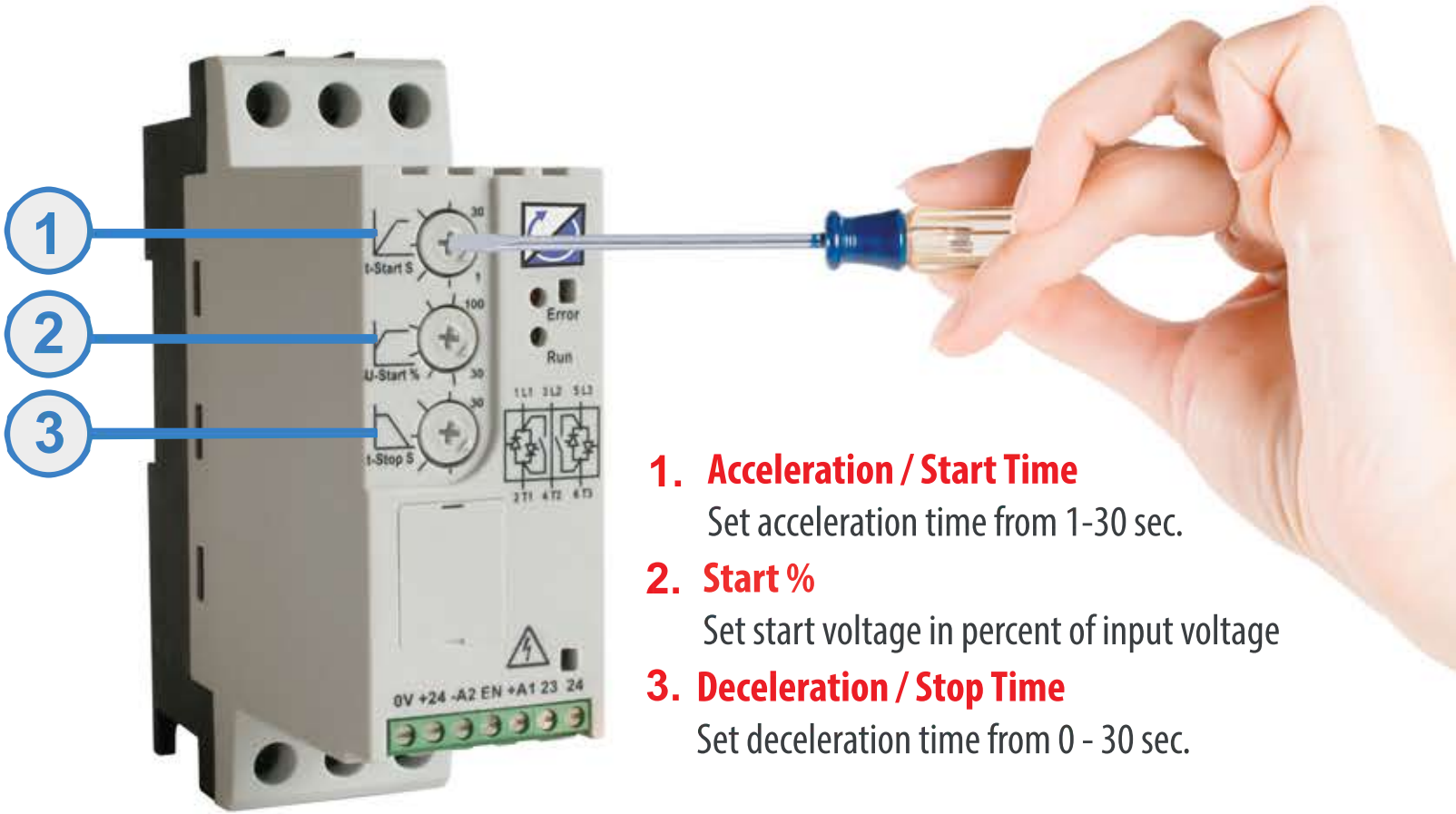


Pumps



Compressors

## Setup as simple as 1,2, 3 in under a minute!



- 1. Acceleration / Start Time**  
Set acceleration time from 1-30 sec.
- 2. Start %**  
Set start voltage in percent of input voltage
- 3. Deceleration / Stop Time**  
Set deceleration time from 0 - 30 sec.

## 3S Technology

Automatic ramp control profiles ensure smooth start and stop performance, delivering stable acceleration and deceleration in all operating conditions.



# Compact and Easy to Install

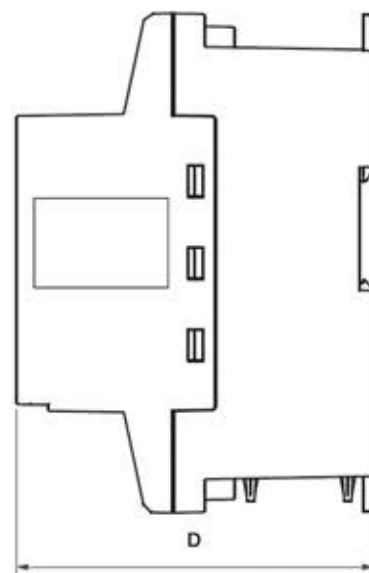
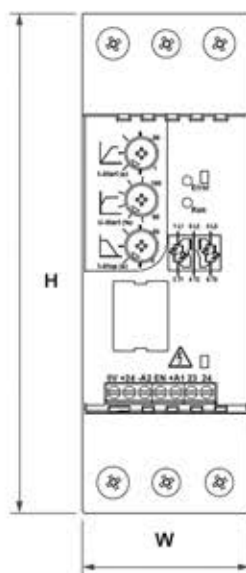
## Ratings

## Sizing Guide

					Trip Class 10 PFE MODEL 5 starts/hour Ie: AC-53b: 3-23: 697	
Model Number	Amps	230V		460V		
		Amps	HP	Amps	HP	
VMX-PFE-02	3	2.2	0.5	3	1.5	VMX-PFE-02
VMX-PFE-04	3.4	3.2	0.75	3.4	2	VMX-PFE-04
VMX-PFE-06	4.8	4.2	1	4.8	3	VMX-PFE-06
VMX-PFE-08	4.8	6.8	2	4.8	3	VMX-PFE-08
VMX-PFE-10	7.6	9.6	3	7.6	5	VMX-PFE-10
VMX-PFE-12	11	9.6	3	11	7.5	VMX-PFE-12
VMX-PFE-14	14	15.2	5	14	10	VMX-PFE-14
VMX-PFE-16	14	22	7.5	21	15	VMX-PFE-18
VMX-PFE-18	21	28	10	27	20	VMX-PFE-18 + FAN

## Dimensions and Weights

Model Number	Dim. H x W x D inches (mm)	Product Weight lbs. (kg)
VMX-PFE-02 thru VMX-PFE-10	5.51 (140) x 1.77 (45) x 4.73 (120)	0.88 (0.4)
VMX-PFE-12 thru VMX-PFE-18	6.5 (165) x 2.17 (55) x 4.73 (120)	1.43 (0.65)



### CORPORATE HEADQUARTERS

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