

# 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)
- DIN Rail Mounted

# VMX-PFE™ Cost Effective Soft Starter

## 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.

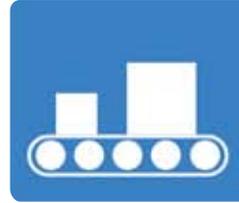
### Only 1.8" Wide (Size 1)

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

### Din-Rail Mount

For easy installation – it just clips on.

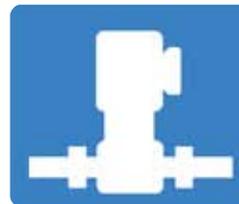
## Typical Applications



Conveyors



Fans



Pumps



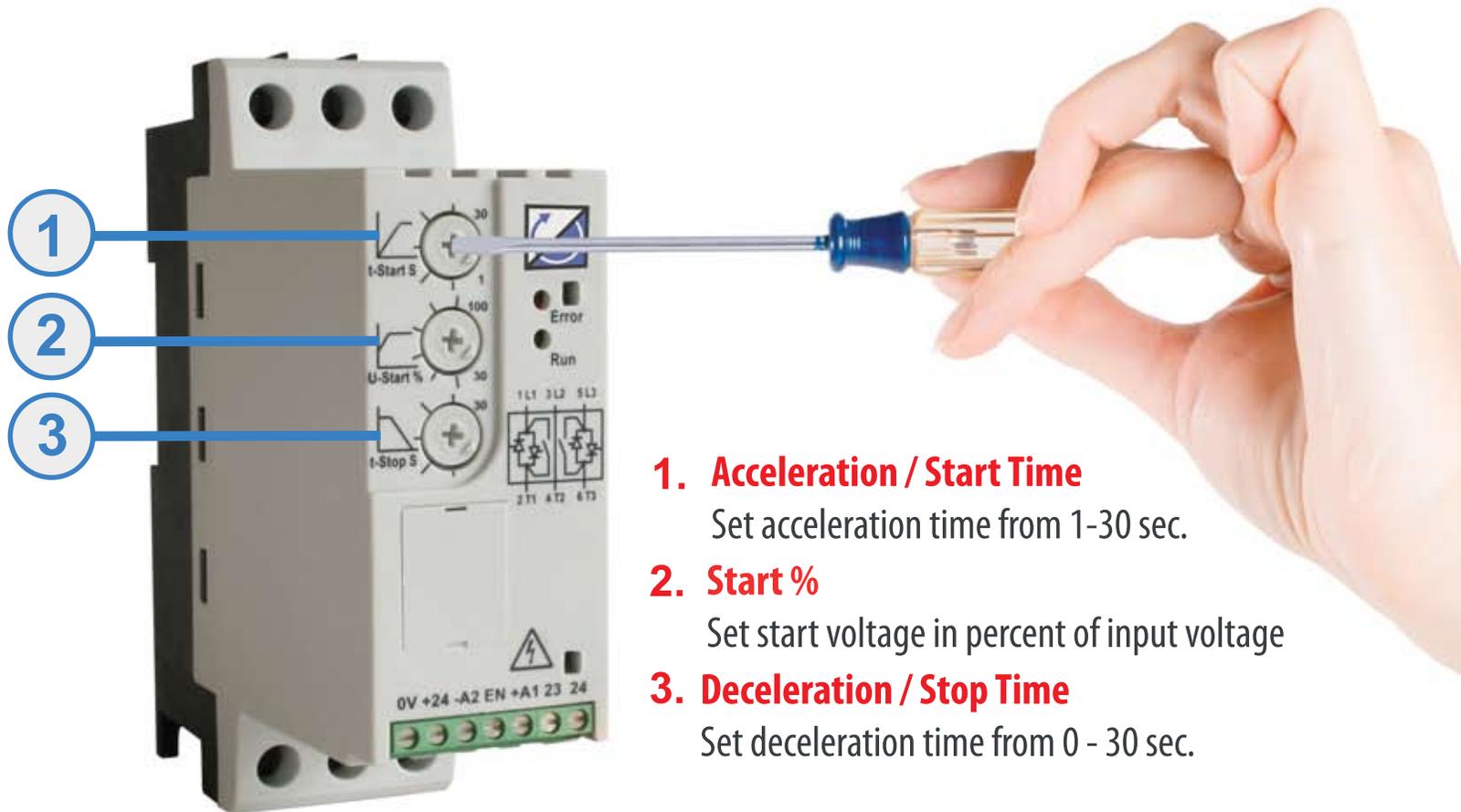
Compressors

## Specifications

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

# Perfect for small AC Induction Motors

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.



