

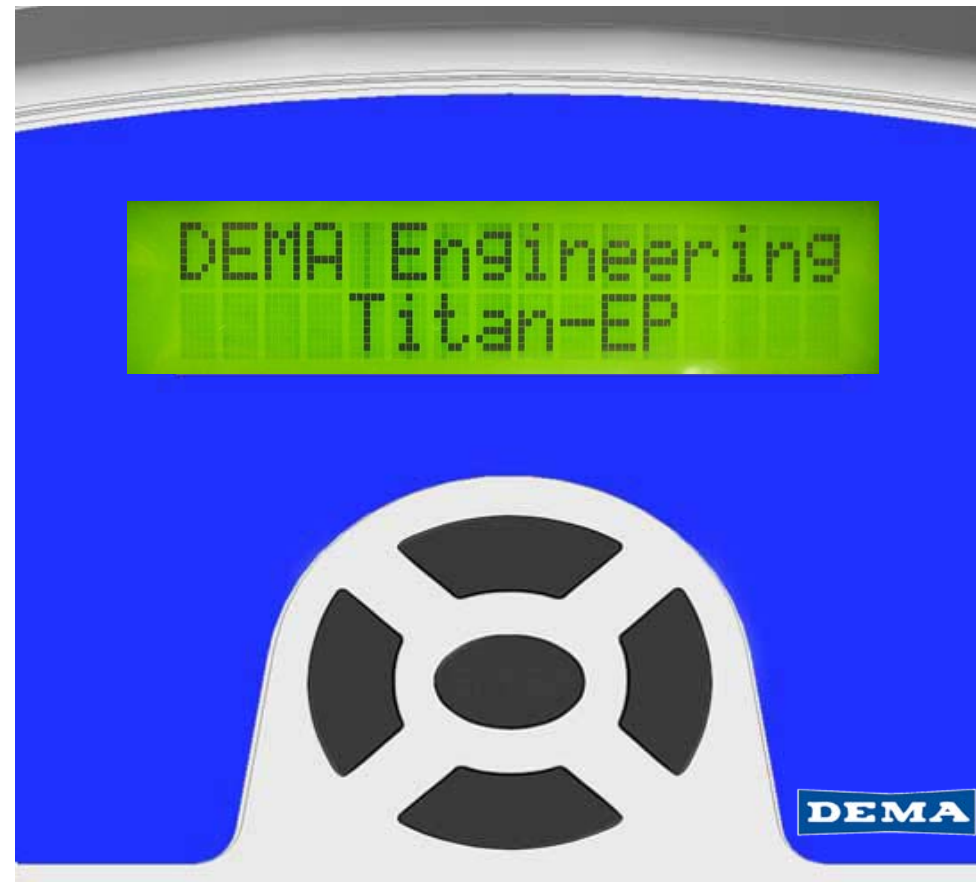


Titan EP Training

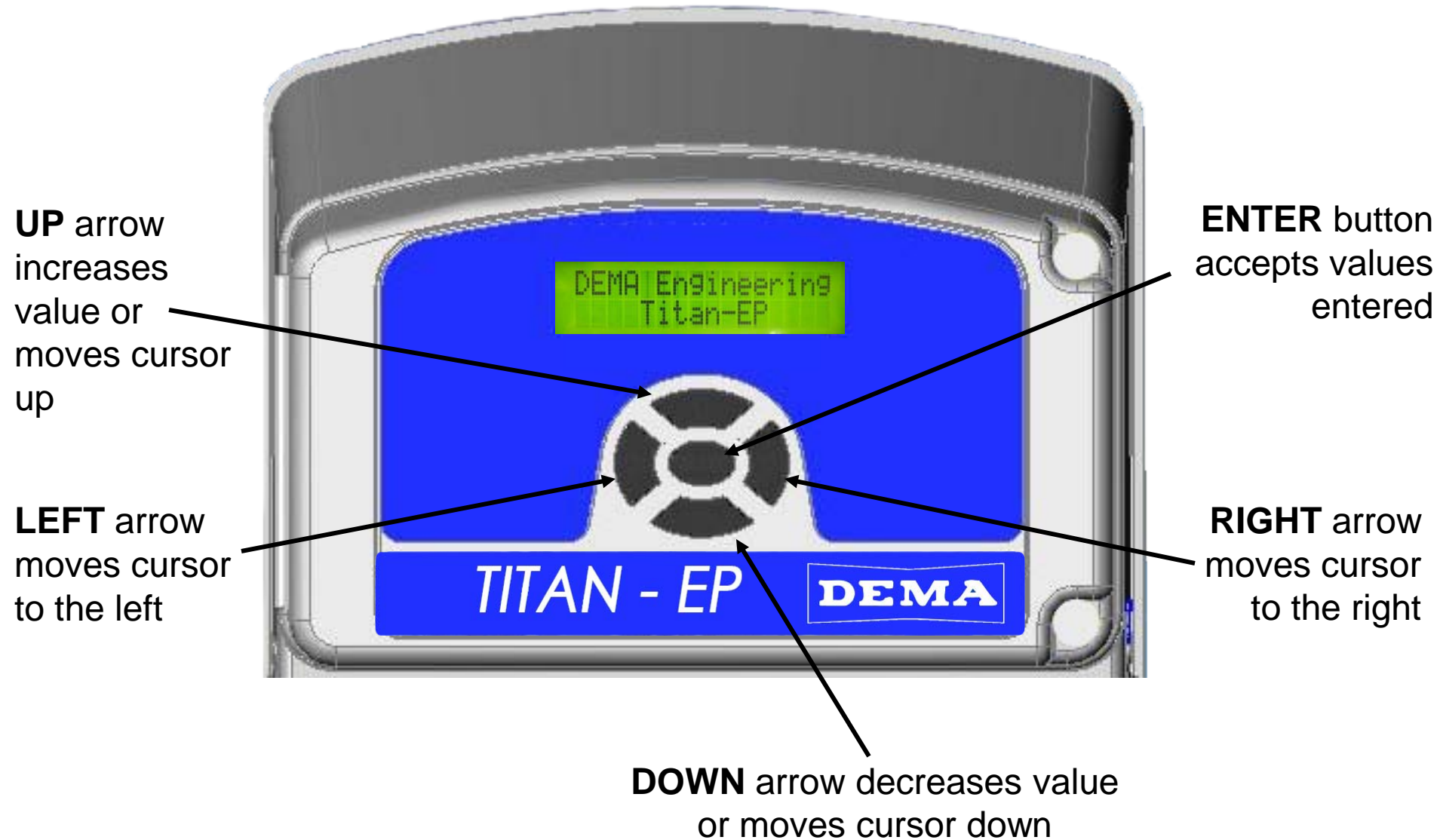
For Programming a New Titan EP
August 11, 2009

Titan EP Features

- 100-260VAC 50/60Hz main power (constant power)
- 24-480VAC trigger signals
- Detergent pump output 10 oz./min (300ml / min)
- Rinse pump output 0.5 oz./min (16ml / min)
- Optional Items
 - Inductive probe
 - Magnetic field reader

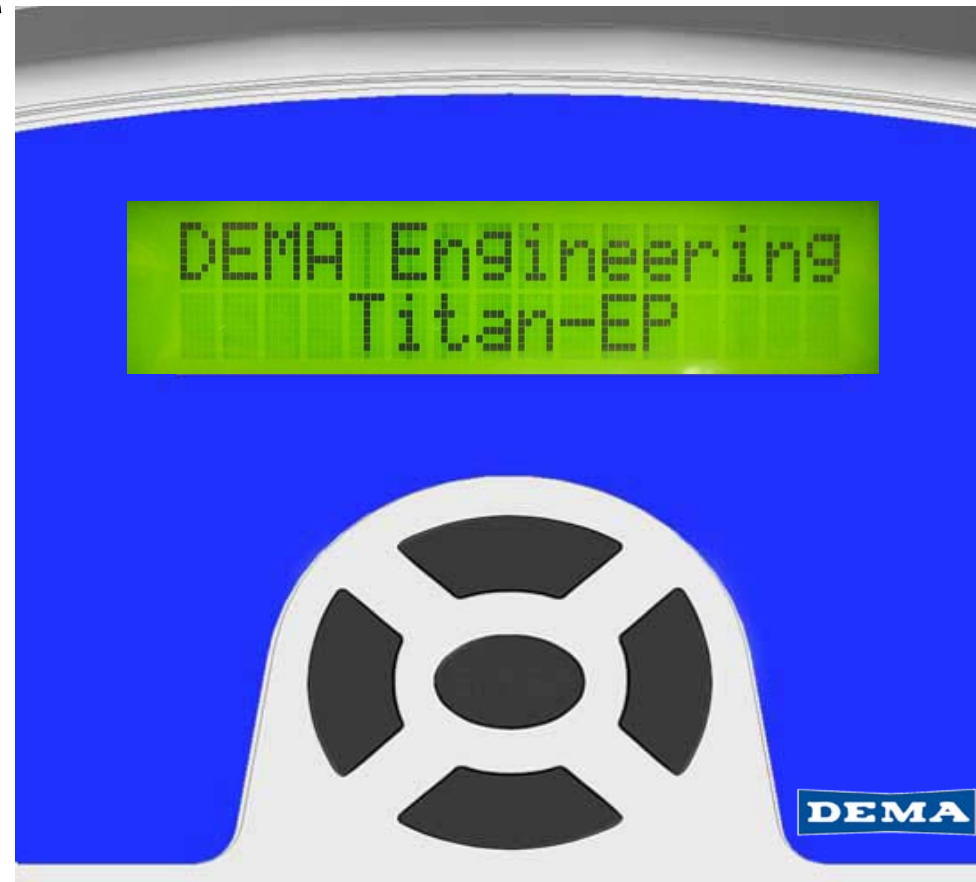


Titan EP Button Functions



Titan EP – Idle Screen

- **Idle / Default screen shown when unit is not being programmed**
- Press enter to advance to priming and programming functions
- Unit will return to this screen during programming if long delays are taken during programming
- Can be modified in programming



Titan EP – Detergent Prime

- 1st screen seen after the idle screen
- Press enter to start & stop pump priming

OR

- Use the UP & DOWN ARROWS to scroll through other menu selections



Titan EP – Rinse Prime

- Press enter to start & stop pump priming
- OR**
- Use the UP & DOWN ARROWS to scroll through other menu selections



Titan EP – Sanitizer Prime

- Press enter to start & stop pump priming
- OR**
- Use the UP & DOWN ARROWS to scroll through other menu selections



Titan EP – Information Screen

- DET
 - P = Probeless mode
 - C = Concentration mode
- SP
 - Not applicable for probeless mode
 - Detergent set point in concentration (probe) mode
- Input
 - Actual probe reading



New Program Probeless Mode

- Modify existing program for probeless mode
- For both door and conveyor machine types



Probeless Mode – Detergent Control Mode

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between probeless or concentration
- Press ENTER when desired mode is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode - Machine Type

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between Conveyor and Door
- Press ENTER when desired machine type is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Trigger Mode

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between Detergent/Rinse, Detergent Only or Rinse Only
- Press ENTER when desired mode is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Recharge Time

- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust time setting (minutes & seconds)
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Dwell Time

- **For conveyor machine type only**
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust time setting (minutes / seconds)
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Dead Cycles

- **For door machine type only**
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust number of cycles between recharges
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Initial Charge

- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust time setting (minutes / seconds)
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Charge Clock

- **Defines time between trigger signals for an initial charge**
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust time setting (hours / minutes)
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Rinse Speed

- **Adjust rinse pump speed**
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust rinse speed
- Press ENTER when desired speed is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Rinse Delay

- **For door machine only**
 - Adjust delay time to start rinse pump
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust rinse delay
- Press ENTER when desired rinse delay is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Rinse Limit

- **For door machine only**
 - sets maximum rinse pump run time
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust rinse limit (seconds)
- Press ENTER when desired rinse limit is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Rinse Alarm

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between Active and Inactive
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Sanitizer Speed

- Adjust sanitizer pump speed
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust sanitizer speed
- Press ENTER when desired speed is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Sanitizer Alarm

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between Active and Inactive
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Company Name

- Up to 16 characters
- Press ENTER to modify setting
- Use LEFT & RIGHT arrows to move between characters
- Use UP & DOWN arrows to adjust each character
- Press ENTER when desired name is displayed
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Alarm Volume

- **Sets volume of audible detergent alarm**
- Press ENTER to modify setting
- Use UP or DOWN arrows to adjust volume
- Press ENTER when desired volume is reached
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – Enter New Code

- **Sets programming password (4 numbers)**
- Press ENTER to modify setting
- Use LEFT & RIGHT arrows to move between numbers
- Use UP & DOWN arrows to adjust each number
- Press ENTER when desired code is displayed
- Press LEFT arrow to confirm setting
- Press UP or DOWN arrow to advance to other screens



Probeless Mode – End Programming

- Press enter to exit programming



New Program Concentration Mode

- New program for concentration mode
- For both door and conveyor machine types



Concentration Mode – Detergent Control Mode

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between probeless or concentration
- Press ENTER when desired mode is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode - Machine Type

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between Conveyor and Door
- Press ENTER when desired machine type is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Concentration Set Point

- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust concentration set point
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Feed Rate

- **Controls how quickly set point is reached, high feed rate can lead to overshooting**
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust feed rate
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Alarm Delay

- **Amount of time before detergent alarm sounds**
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust time setting (minutes / seconds)
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Rinse Speed

- **Adjust rinse pump speed**
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust rinse speed
- Press ENTER when desired speed is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Rinse Delay

- **For door machine only**
 - Adjust delay time to start rinse pump
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust rinse delay
- Press ENTER when desired rinse delay is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Rinse Limit

- **For door machine only**
 - sets maximum rinse pump run time
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust rinse limit (seconds)
- Press ENTER when desired rinse limit is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Rinse Alarm

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between Active and Inactive
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Sanitizer Speed

- Adjust sanitizer pump speed
- Press ENTER to modify setting
- Use UP & DOWN arrows to adjust sanitizer speed
- Press ENTER when desired speed is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Sanitizer Alarm

- Press ENTER to modify setting
- Use UP or DOWN arrows to change between Active and Inactive
- Press ENTER when desired setting is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Trigger Mode

- Press ENTER to modify setting
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- Press ENTER to modify setting
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- Press ENTER when desired name is displayed
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Alarm Volume

- **Sets volume of audible detergent alarm**
- Press ENTER to modify setting
- Use UP or DOWN arrows to adjust volume
- Press ENTER when desired volume is reached
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – Enter New Code

- **Sets programming password (4 numbers)**
- Press ENTER to modify setting
- Use LEFT & RIGHT arrows to move between numbers
- Use UP & DOWN arrows to adjust each number
- Press ENTER when desired code is displayed
- Press LEFT arrow to confirm setting
- Press UP or DOWN arrow to advance to other screens



Concentration Mode – End Programming

- Press enter to exit programming

