

Updating Firmware Instruction Guide

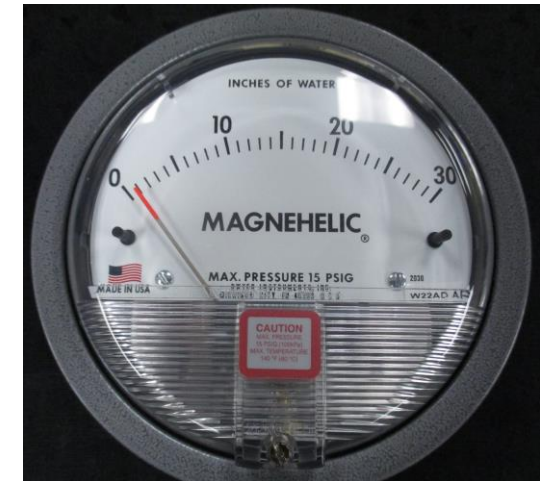
It will be necessary to set up fan pressure sensor calibration after update. The hydraulics will need to be functional and a magnehelic gauge reading 0-30 inches of water is needed to correctly calibrate fan pressure.

If a gauge is not available, it is possible to run the machine and get current air pressure before downloading and use that pressure for the calibration number (given the hydraulics are not adjusted and the sensor was calibrated correctly and is currently functioning properly). The preferred and correct procedure is to use a gauge for each calibration.

Delete the object pool on monitor or run disk clean-up on your monitor.

Start by taking screenshot of pertinent information on configuration pages that may be lost during download (products, calibration #s, geometry, workswitch option, any other set-up parameters). Depending on what versions, more or less will have to be re-entered. Also capture info page screens as this info may be lost.

Montagmfg.com has current Dry Rate Controller Operations Manual, Set-up Guide, Quick Reference Guide, and video tutorials with detailed instructions.



FILES TO DOWNLOAD SHOULD BE INSTALLED ON USB KEY IN FOLDER NAMED "DOWNLOAD"

- BT1N
- BT4
- DBX
- Download ←
- Manuals
- Autorun.inf
- autostart.cfg
- Config.ini
- DownloadManager.i

POWER DOWN, INSTALL HARNESS, DOWNLOAD BOX, AND USB KEY. POWER UP, THE LED'S ON THE DOWNLOAD BOX SHOULD BE GREEN. THIS PAGE IS THE CORRECT PAGE THAT COMES UP. SELECT THE FOLDER BUTTON.

The screenshot shows a diagnostic tool interface. On the left is a sidebar with icons for tools, a steering wheel, a 'Download box' button, a 'DIGI★STAR' logo, and a checklist. The main area displays 'Downloadbox 1.3d 3032259206Y02014' and 'Address Name'. A table lists devices, with '0xAC: FORTIFIER' selected. Below the table are instructions: '1. Select the device.', '2. Highlight the device.', and '3. Select a file to download.' There are also buttons for 'Show device information' and 'Update list'. On the right, a grid of icons includes information, up/down arrows, refresh, a checked box, a folder, and a folder icon. At the bottom, a status bar shows the time '06:51', date '07.05.2018', and green/red checkmarks.

Address Name
0xAC: FORTIFIER
- 0xAC.1: 0 Devices

1. Select the device.
2. Highlight the device.
3. Select a file to download.

Show device information

Update list

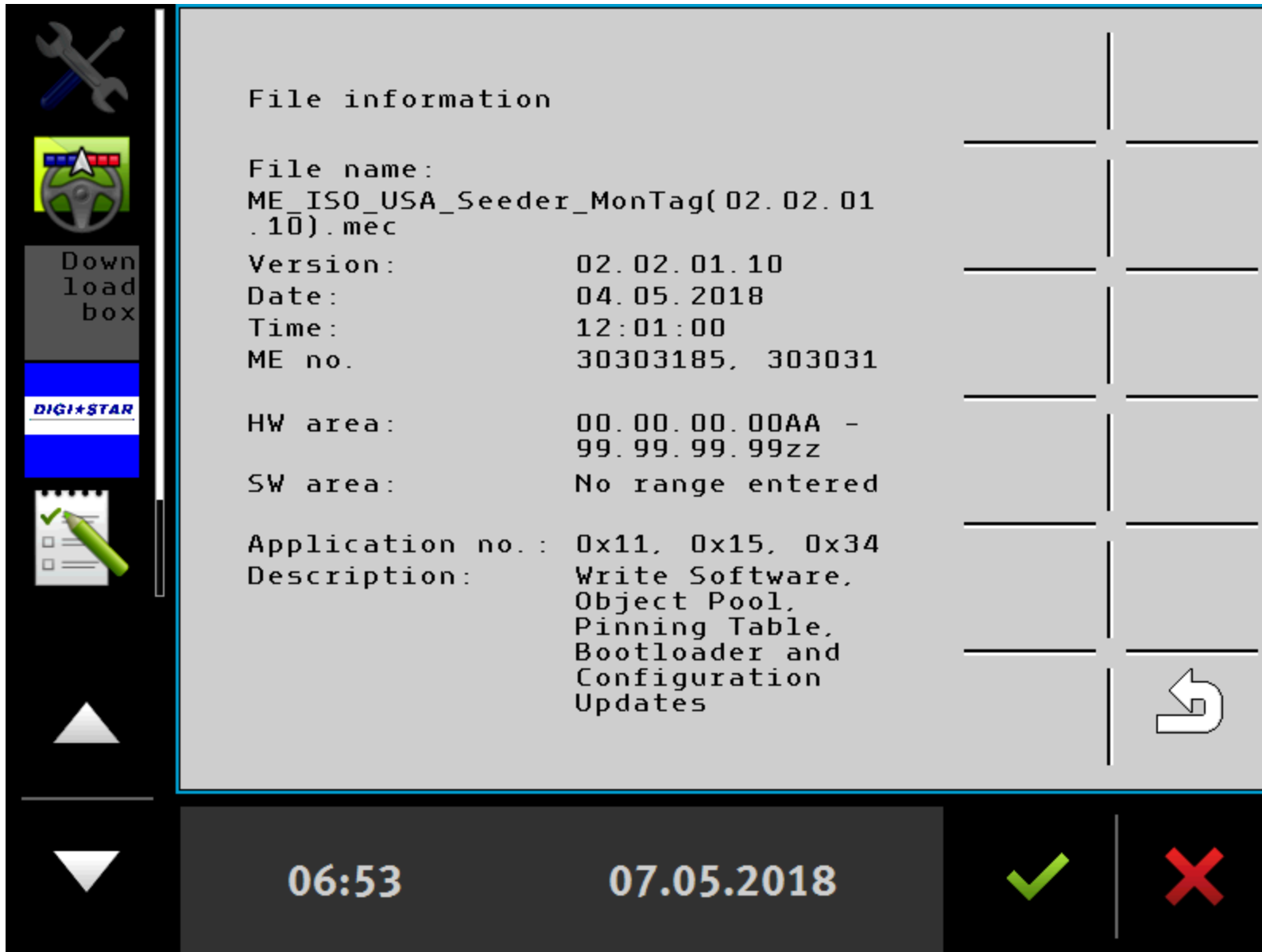
SELECT THE CORRECT FILE TO DOWNLOAD USING THE UP AND DOWN ARROWS. THE I (INFO) BUTTON WILL SHOW THE COMPLETE TITLE NAME AND MORE (SEE PAGE 4) OF FILE SELECTED.

ONCE THE CORRECT FILE IS SELECTED (IN BLUE) PRESS THE ENTER (TRIANGLE) BUTTON.

The screenshot shows a handheld device's file selection interface. The screen is divided into several sections:

- Top Left:** A vertical toolbar with icons for a wrench and screwdriver, a steering wheel, a "Download box" button, a "DIGI+STAR" logo, and a checklist icon.
- Top Right:** A vertical toolbar with icons for information (i), up arrow, down arrow, right arrow, and a return arrow.
- Main Area:** A text-based interface for file selection. It displays "Select file" and "USB". A list of files is shown, with one file highlighted in blue: "ME_ISO_USA_Seeder_MonTag(02.02.01)". Below the list are instructions: "1. Select a directory." and "2. Start the download.", each with a corresponding arrow icon. At the bottom of the main area are options: "Show file information", "Show all files in the directory", and "Return to device list", each with a corresponding icon.
- Bottom Bar:** A dark bar at the bottom of the screen containing a left arrow, the time "06:53", the date "07.05.2018", a green checkmark, and a red X.

THIS SLIDE SHOWS THE COMPLETE FILE NAME UNDER INFO BUTTON. IN THIS EXAMPLE, 02.02.01.10 IS THE VERSION BEING DOWNLOADED.



The screenshot displays a software interface with a sidebar on the left and a main content area. The sidebar contains several icons: a crossed wrench and screwdriver, a steering wheel with a star, a 'Download box' button, a 'DIGI+STAR' logo, a checklist with a pencil, and two arrow buttons (up and down). The main content area shows 'File information' with the following details:

File name:	ME_ISO_USA_Seeder_MonTag(02.02.01.10).mec
Version:	02.02.01.10
Date:	04.05.2018
Time:	12:01:00
ME no.	30303185, 303031
HW area:	00.00.00.00AA - 99.99.99.99zz
SW area:	No range entered
Application no.:	0x11, 0x15, 0x34
Description:	Write Software, Object Pool, Pinning Table, Bootloader and Configuration Updates

At the bottom of the main content area, there is a white arrow icon pointing left. The bottom status bar shows the time '06:53', the date '07.05.2018', a green checkmark, and a red 'X'.

THE STATUS BAR WILL SHOW PROGRESS OF DOWNLOAD.
DEPENDING ON THE FILE, THIS COULD TAKE UP TO 10 MINUTES.

Download status

Address: 0xAC

Name: FORTIFIER

The update process will be performed. Do not switch the terminal off.

File: ME_ISO_USA_Seeder_MonTag(02.02.01.10).mec

Status: Delete... (7/168 - 1%)

06:53 07.05.2018

WHEN COMPLETE,
THE RESULT WILL
SHOW DOWNLOAD
WAS SUCCESSFUL
AND WILL SHOW
100%.

HIT THE BACK
ARROW AND REPEAT
WITH ALL FILES
INSTRUCTED TO
DOWNLOAD.

AFTER THE FILES ARE
DOWNLOADED, IT IS
RECOMMENDED TO
RUN THE "RESET"
FILE IF PROVIDED.

Download status

Address: 0xAC

Name: FORTIFIER

Download result:
The download was successful.

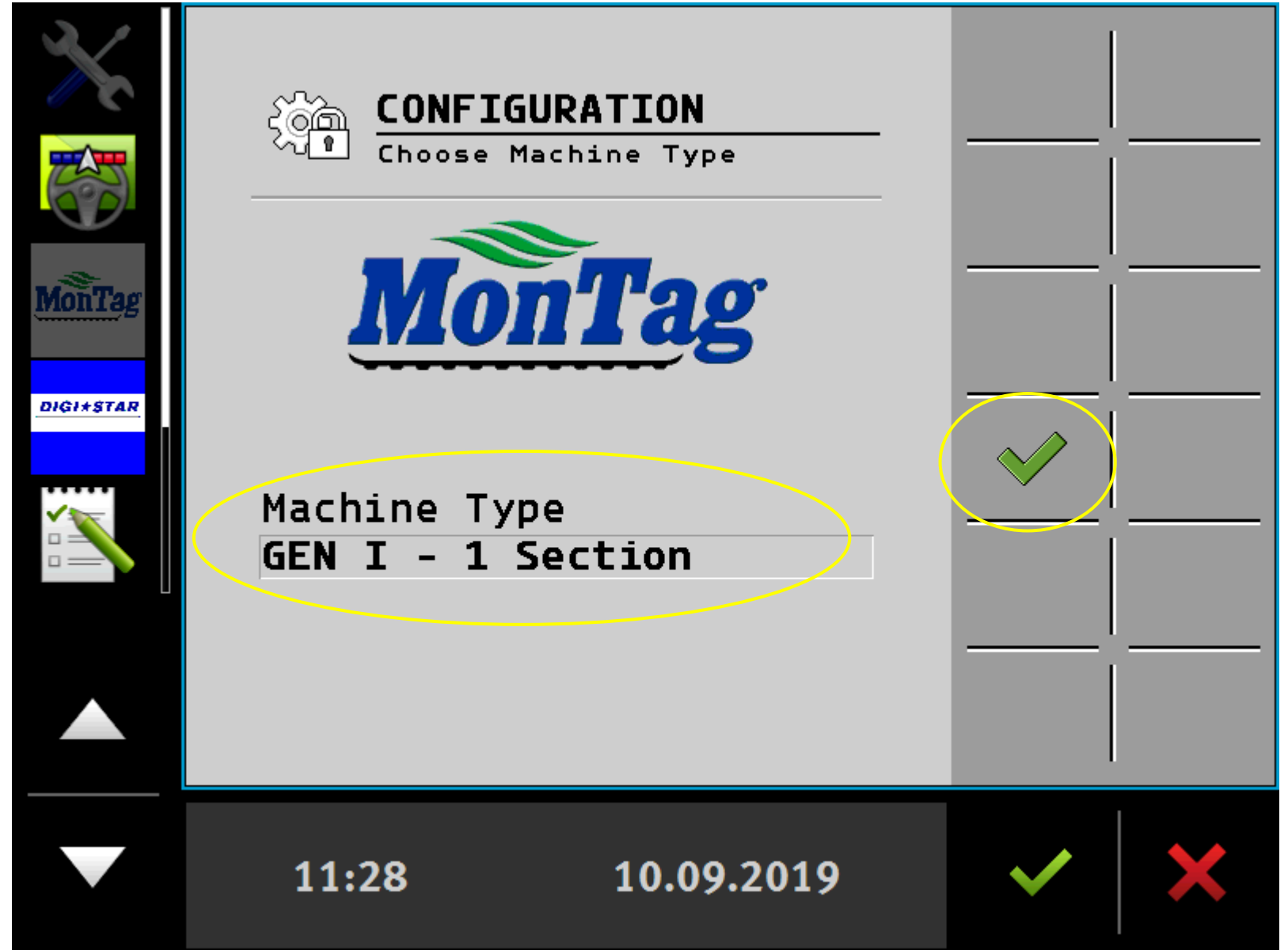
File: ME_ISO_USA_Seeder_MonTag(02.02.01.10).mec

Status: Finished
(168/168 - 100%)

Return to device list

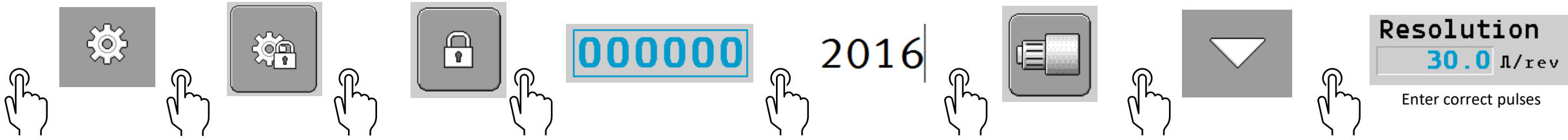
07:02 07.05.2018

After running the file and reset file, power down and remove download harness/box and connect ISO plug to tractor. After re-powering, this screen will show. Select the correct machine type from the section box. When selected, accept with the green check. Let re-boot and then re-enter data for set-up.

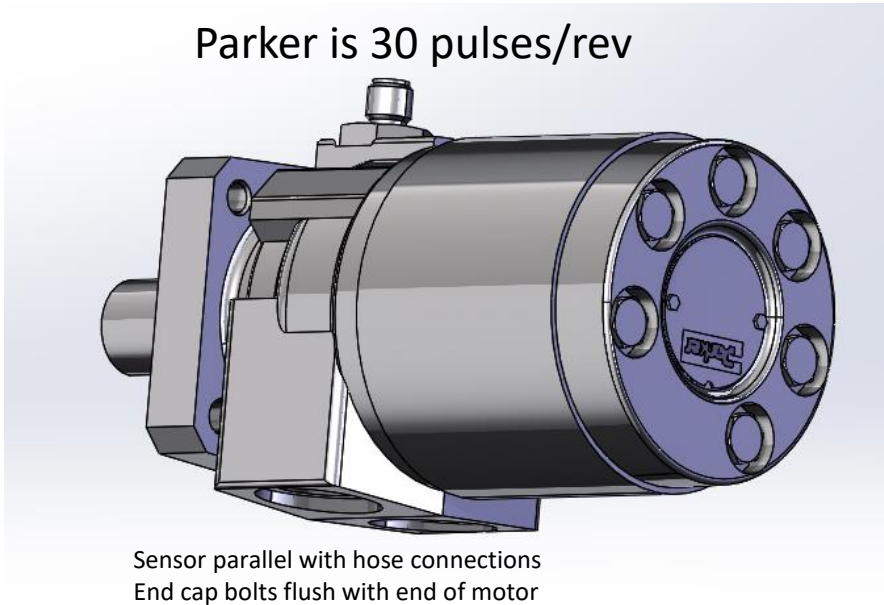


For Gen I machines only

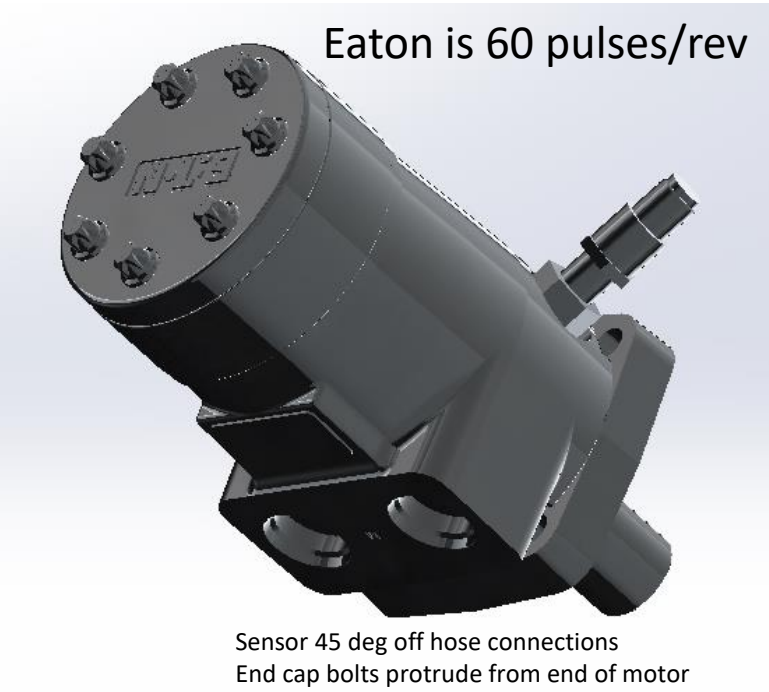
Metering Unit Resolution requires 2 different pulse counts, depending on the motor installed



Parker is 30 pulses/rev

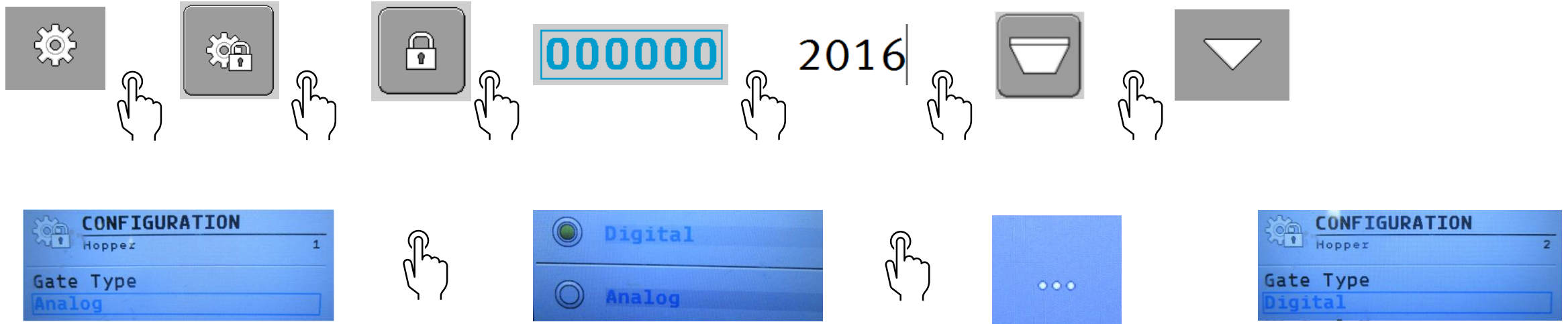


Eaton is 60 pulses/rev

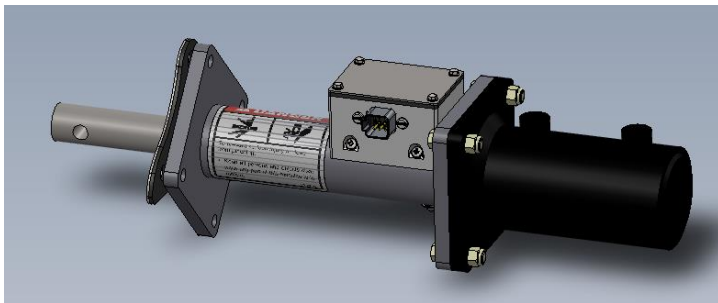


For Gen II machines only

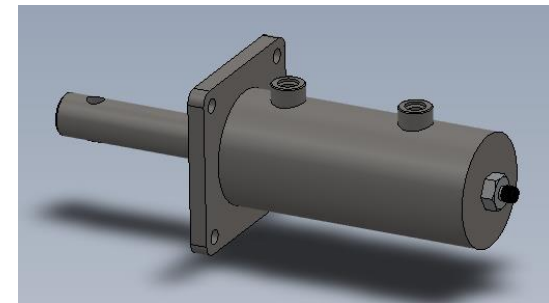
Slide Gate type has two options, depending on MY of machine. Default setting for V02.02.06.01 or newer is Analog Slide Gate. **If updating an older machine to newer software, will have to change value to digital slide gate.** Follow the procedure below



Must change for both hopper 1 & 2



Digital Slide Gate



Analog Slide Gate