SMART PANELS MADE EASY™

QUICK REFERENCE GUIDE

SMART PANELS MADE EASY™
TO RUN THE MACHINE

(Refer to the Overview and Operation sections of the Owner’s Manual, and to the Advanced Features Manual.)

- ALWAYS make sure that vehicles, other equipment, livestock, and people are clear of the machine before operating.
- Turn the control panel main disconnect switch to the ON position. If the power is supplied by an engine driven generator, set generator to proper voltage/Hz. DO NOT exceed system specifications.

RUN THE MACHINE WET (WITH WATER)

1. Push the Water button on the Main Screen to turn the water ON.
2. To set the water application, select either the Depth field or Wet % Timer field.
   - In the Depth field, set the water application by inches or millimeters.
   - In the Wet % Timer field, adjust the percent to obtain the desired water application depth.
   a. Enter either the depth or percent timer setting.
   b. Push ENTER to retain the value.

Do one of the following:
» Push button to start the machine in the forward direction.
» Push button to start the machine in the reverse direction.
» Push to stop the machine.

RUN THE MACHINE DRY (WITHOUT WATER)

1. Push the Water button on the Main Screen to turn the water OFF.
2. To set the speed of travel, select the Dry % Timer field.
   - Enter the percent timer setting.
   - Push ENTER to retain the value.

Do one of the following:
» Push button to start the machine in the forward direction.
» Push button to start the machine in the reverse direction.
» Push to stop the machine.

TURNING STOP-IN-SLOT ON/OFF

3. Push the SIS (Stop-In-Slot) button to turn ON or OFF.
   - SIS ON to stop at the stop-in-slot location.
   - SIS OFF to bypass the stop-in-slot location.

To Set the Stop-In-Slot Position:
4. Select the SIS (Stop-In-Slot) field.
   - Enter the desired stop-in-slot position in degrees and push ENTER.

NOTE: The ICON10 Main Screen is completely customizable to each user’s preference. All controls can be accessed through the CONTROLS button in the MENU, SYSTEM, PANEL page.
SELECTING AUTO REVERSE OR AUTO STOP
6. Push the Auto Reverse Auto Stop button to toggle between Auto Reverse ON or Auto Stop ON.
   Note: AR/AS must be Enabled. Only applicable with the drive unit mounted auto reverse hardware. Refer to “Auto Reverse Auto Stop (AR/AS)” in the Advanced Features Manual for more information.

TURNING AUTO RESTART ON
7. Push the Auto Restart button to turn ON or OFF.
   Note: Refer to “Auto Restart Via.” in the Advanced Features Manual for more information.

CONTROLLING AUXILIARY RELAYS
8. Push the Aux1 or Aux2 button to turn ON or OFF.

SETTING THE END GUN
10. Check the EG (end gun) checkbox to enable it.
    - Push the EG to configure the end guns
    - Select the Left field (end gun on angle) for a sequence Pair, and enter the degrees on the numeric keypad. Push ENTER.
    - Select the Right field (end gun off angle) for a sequence Pair, and enter the degrees on the numeric keypad. Push ENTER.
    - Repeat steps 4 and 5 for other sequence pairs as needed. Use the arrows at the bottom of the screen to view other sequence pairs.
System Stop Descriptions

**System Stop** | **Description**
--- | ---
Command | The machine was intentionally commanded to stop by pushing the Stop button.
Stop-In-Slot (SIS) | The current machine position matches the Stop-In-Slot position while the machine was waiting/running.
Daily Ops | With the Daily Ops Control enabled and Daily Ops Mode selected, the system was started outside of the start/stop range of Daily Ops.
Program | A stop command in a step or sector program shut down the machine.
Auto-Stop | The Auto Stop boundary was reached and shut down the machine.

System Fault Descriptions

**System Fault** | **Description**
--- | ---
System Power Lost | Voltage dropped below half the low voltage limit for 3 seconds or more while the machine was waiting/running with water on or more than 1 second if running with water off.
System Power Low | Voltage fell below the low voltage limit for 15 seconds or more while the machine was waiting/running.
System Safety | Safety circuit was de-energized for more than 3 seconds.
Low Pressure | Water pressure fell below the Low Pressure Limit for more than the Operating Pressure Delay time while the machine was running with water on and after the Startup Pressure Delay has expired.
High Pressure | Water pressure remained above the High Pressure Limit for at least the High Pressure Shutdown Delay time.
NVMEM | E01 error is active, Memory Error, Backup Battery failure.
Forward/Reverse | Both the forward and reverse circuits were on for more than 15 seconds while the machine was waiting/running.
Operating Sector | With AR/AS and For/Rev Position both enabled, the machine is waiting running or was started outside of the Forward or Reverse Position angles.
Wind | With Wind Shutdown enabled, the Wind Speed went above the Wind Speed Limit for more than 1 minute while the machine is running with water on.
Temperature | With the Temperature Shutdown enabled, the Current Temperature goes below the Low Temperature Limit while water is on.
Rain | With the Rain Shutdown enabled, the Total Rainfall for the Rain Window goes above the Rain Shutdown Limit while water is on.
Flow | While the machine is running with water on, the Flow Rate falls below the Low Flow Limit after adequate water pressure has been achieved.
Water Timer | With the Water Timer enabled, the time accumulated by the Overwater Timer is greater than the Overwater Shutdown time.
Tire Pressure | With Shutdown Pressure Control enabled, the Reported Tire Pressure of a tire is below the Nominal Tire Pressure for that tire’s tower by at least the Shutdown Pressure Drop for two consecutive sensor readings.
GPS Com | With GPS Position and Shutdown On Position Loss enabled, while the machine is waiting/running there has been no GPS communications and the Shutdown On Position Loss Delay time has expired.
GPS Lock | With GPS Position and Shutdown On Position Loss enabled, while the machine is waiting/running the GPS Lock Status is None and the Shutdown On Position Loss Delay time has expired.
Cut Cable | A cut cable was Detected when the machine was started.
PCB Hardware | PCB hardware issue detected while the machine is waiting/running.
12V Power | With Backup Battery enabled, the battery backup supply voltage fell below 10 volts or the unit has been powered from the battery backup supply and the Battery Backup Time has expired.
Position Encoder Com | With the Position Encoder option and Shutdown On Position Loss enabled, and while the machine is waiting/running the position encoder has not been communicating and the Shutdown On Position Loss Delay time has expired.
License | The protocol license is not valid.

Error Codes & Descriptions

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