

KPM III ELECTRONIC SEED MONITOR

QUICK REFERENCE GUIDE

MONITOR KEY FUNCTIONS



PHYSICAL KEYS

- Located on R.H. side of console and referred to as F1, F2, F3, F4, F5, F6.
- Keys are referenced in descending order with F1 at the top and F6 at the bottom.



ON/OFF

- Powers the unit on and off.



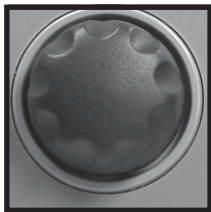
ESC

- Used as the CANCEL (escape) key.



ENTER

- Confirms or accepts the highlighted selection.



ROTARY ENCODER/KNOB

- Turn knob clockwise or counterclockwise to increase or decrease value of item.
- Turn knob clockwise to scroll up or counterclockwise to scroll down.
- Press knob to enter selection.



AV (AUDIO/VIDEO) Key

- Set alarm volume.
- Adjust the contrast.
- Adjust backlighting of the LCD display.



ACK (ACKNOWLEDGE) Key

- Used to silence (acknowledge) the warning alarm when various error conditions occur.
- NOTE: Alarms can be viewed by pressing the STATUS key.**



ARROW KEYS

- UP arrow key is used to increase the value of an item by one or to scroll up.
- DOWN arrow key is used to decrease the value of an item by one or to scroll down.
- LEFT arrow key multiplies the numeric value of the item by 10.
- RIGHT arrow key divides the numeric value of the item by 10.

Consult Operator & Parts Manual for detailed information.

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QUICK REFERENCE GUIDE

REPROGRAMMING/CONNECTING SENSORS

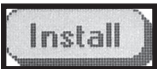
NOTE: All sensors (including the seed tubes w/sensors, radar, magnetic distance and shaft rotation sensors) must be unplugged from the harness and/or console and the monitor must be OFF.



Turn monitor ON. Monitor automatically defaults to "Planting Mode". Press F6 key until "Mode Selection" screen appears.



Select "Setup Mode" by turning the knob or press the UP or DOWN arrow keys. Press the knob or ENTER key to display the highlighted item.



Select "Sensor Setup" by turning the knob or press the UP or DOWN arrow keys. Press the knob or ENTER key to display the highlighted item.

Attach the planter harness into the KPM III. Do NOT connect any of the sensors to the planter harness, with [Auto Detect] selected press the INSTALL key.

Plug in the first sensor (row 1), working from left to right and rear to front (if applicable). When a sensor is connected to the planter harness wait for the monitor to acknowledge with two beeps.

Continue connecting seed sensors along with shaft rotation sensors or speed sensors. Progress will reflect on the LCD screen.



When all of the sensors are installed press the F1 key.

NOTE: Consult Operator & Parts Manual for detailed information.

REPLACING SEED SENSOR(S)



To replace a faulty sensor:

Turn monitor OFF.

Replace faulty seed sensor.



Turn monitor ON.

It will then recognize that a single sensor has been replaced.

To replace more than one faulty sensor:

Press F6 key until the "Mode Selection" screen appears. Select "Setup Mode" by turning the knob or press the UP or DOWN arrow keys. Press the knob or ENTER key to display the highlighted item.

Select "Sensor Setup" by turning the knob or press the UP or DOWN arrow keys. Press the knob or ENTER key to display the highlighted item.



Highlight the faulty sensor and press the REMOVE key and unplug sensor. Plug in new sensor and press INSTALL key.



Repeat above procedure for each faulty sensor being replaced.

NOTE: Highlighting a sensor and pressing VIEW gives additional information when troubleshooting a problem. If a faulty sensor has been ignored it may be highlighted in the list of sensors, press REVIVE. The monitor will try to communicate with the sensor. If successful "OK" will appear next to the sensor.

Consult Operator & Parts Manual for detailed information.

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QUICK REFERENCE GUIDE

PROGRAMMING/CLEARING THE MONITOR



CHANGING VOLUME/CONTRAST/BACKLIGHTING

- Press the AV key (once for volume, twice for contrast or three times for backlighting).
- Turn knob or use the LEFT or RIGHT arrow keys to adjust.
- Press the knob or ENTER key to save and exit.



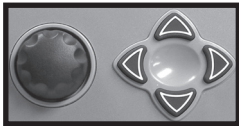
SPEED SENSOR CALIBRATION/PROGRAMMING

- Press F6 key until "Mode Selection" screen appears and select "Setup Mode" and press the knob or ENTER key.
- Press F6 key to advance to "Speed Sensor Calibration".
- Pull tractor to starting point and then press knob or ENTER key. Travel 330 ft. (100m) and stop tractor even with measured mark.
- Select "Tractor Calibration Done" and then press the knob or ENTER key.



PROGRAMMING UNITS

- Press F6 key until "Mode Selection" screen appears and then select "Setup Mode" by turning the knob or using the UP or DOWN arrow keys. Press the knob or ENTER key to display the highlighted item.
- Select "General Settings" by turning the knob or press the UP or DOWN arrow keys. Press the knob or the ENTER key to display the highlighted item.
- Advance to "Units of Measure" field by turning the knob or using the UP or DOWN arrow keys.
- Press the knob or ENTER key, a drop down menu will appear. Select either "English" or "Metric" from the drop down menu by turning the knob or using the UP or DOWN arrow keys. Press the knob or ENTER key to make selection.
- Select either OK or Cancel as appropriate.



NOTE: The narrowest row spacing the planter is equipped to plant should be entered for "Row Spacing". Example: 12 Row 30" with Interplant row spacing would be set to 15".



PROGRAMMING ROW SPACING

- Press F6 key until "Mode Selection" screen appears and then select "Setup Mode" by turning the knob or using the UP or DOWN arrow keys. Press the knob or ENTER key to display the highlighted item.
- Select "General Settings" by turning the knob or press the UP or DOWN arrow keys. Press the knob or the ENTER key to display the highlighted item.
- Advance to "Row Spacing" field by turning the knob or using the UP or DOWN arrow keys.
- Press the knob or ENTER key. To enter correct value for spacing, turn the knob or use the UP or DOWN arrow keys. Press the knob or the ENTER key to select value.
- Select either OK or Cancel as appropriate.



CLEARING AREA COUNTERS

- Press F6 key until "Area Management" screen appears.
- Turn knob or press the UP or DOWN arrow keys to highlight the desired "Area Counter"
- Press the CLEAR key.
- Confirm that the area counter is to be cleared by selecting either OK or Cancel.



To exit without saving, press the ESC key at anytime.

To exit and save, select the OK key and press the knob or the ENTER key.

To return to "Plant Mode" press the PLANT key or press F6 until "Plant Mode" appears.

Consult Operator & Parts Manual for detailed information.

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QUICK REFERENCE GUIDE

ROW-BY-ROW ALARM LEVEL SETTING



Press F6 key until “Mode Selection” screen appears.

Select “Setup Mode” by turning the knob or press the DOWN arrow key. Press the knob or ENTER key to display the highlighted item.



Select “Row Unit Alarm Levels” by turning the knob or press the DOWN arrow key. Press the knob or ENTER key to display the highlighted item.

To set alarm thresholds for whole planter:

- Select “Whole Planter”.
- Press the key next to the desired threshold.

To set alarm thresholds for all the rows in one section:

- Select “Rear Front” or “Left Right” section.
- Press the key next to the desired threshold.

To set alarm thresholds for individual rows:

- Select the desired row.
- Press the key next to the desired threshold.

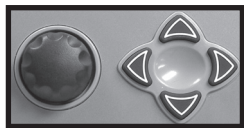
Press the knob or ENTER key to save.

AREA MANAGEMENT



Press F6 key until “Area Management” screen appears.

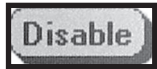
NOTE: Up to four area counters can be enabled at one time. If four area counters are already enabled, disable one active Area Counter in order to enable a new Area Counter.



Highlight the desired “Area Counter” by turning the knob or press the UP or DOWN arrow keys.



Press the ENABLE or DISABLE key.



NOTE: “Total Area Counter” can never be disabled.

ENABLE/DISABLE INTERPLANT



Press F6 key until the “Mode Selection” screen appears.

Turn the knob or press UP or DOWN arrow keys to highlight “Disable/Enable Interplant”.



Press the knob or ENTER key to “Disable” or “Enable” Interplant.

To verify selection, the row spacing is displayed on the bottom of the screen.



To exit without saving press the ESC key or the F6 key at anytime.

To exit and save press the knob or ENTER key when done.

Consult Operator & Parts Manual for detailed information.