

Functions description

To activate the functions of the Monitor, hold the button  until the desired function appears on the display and then release the button.



F1 – List sensors

Lists all sensors present and shows the status of each one.

Possible statuses are:

- **Green:** Flow Ok

- **Red:** Flow Failure

- **Yellow:** Missing Sensor

Occurs when a working sensor stops communicating with the Monitor. If the Monitor is power cycled this sensor will no longer be listed

F2 – Beep volume

Choose the beep volume.

1. Select F2
2. Select the desired volume by pressing button 
 - V0: Mute
 - V1: Low and bass sound
 - V2: Medium sound
 - V3: Loud and treble sound
3. Confirm by pressing button 

F3 - Brightness

Adjust the brightness of the leds and display.

1. Select F3
2. Select the desired brightness by pressing button 
 - b0: Low
 - b1: Medium
 - b2: High
3. Confirm by pressing button 

F4 – Check Address

Check the address of a sensor:

1. Select F4
2. When the display shows "Ch", wake up the sensor (just shake it) and put the magnet on the row indicator on the rubber cover
3. Monitor will display the row number and the 8 digits of the sensor ID

The operation can be cancelled by pressing 

F5 – Add sensors

Add sensors to the network:

1. Select F5.
2. Select the row number by pressing  and confirm by pressing .
3. When the display shows "Ad", wake up the sensor (just shake it) and put the magnet on the row indicator on the rubber cover.
4. The operation can be cancelled by pressing .
5. When the configuration is finished, the display will show "ok".
6. Press  to exit and go back to normal operation or press  to add the next sensor. In this case, you will be automatically sent to step 2 and the row number will be incremented by one.

⇒ **Tip:** After 10 seconds the added sensors should be listed by the function F1.

⇒ **Attention:** All the sensors must be added to network when installing a new monitoring system.

F6 – Show Monitor ID

Show the 8 digits of the Monitor ID.

Warranty

This product is warranted by J.Assy Agricultural to be free from defects in material and workmanship for two (2) years from date of purchase of the original purchaser. Any sensor, coupler or monitor will be repaired or replaced at no charge with the same item if it is found to be defective under normal use and when installed, operated and cared for according to the manufacturer's instructions. This warranty does not cover lost or stolen items or defects caused by accidents, fire, abuse or misuse of the product. This warranty does not cover coupler hose clamps. This warranty does not cover Labor charges to remove or reinstall warranted product or replacement, transportation or mileage charges. For repair or replacement, return defective product to the original place of purchase.

Discarding

Dispose of properly.

VISUM MONITOR



Operator's Manual

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AGRICULTURAL

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Manual version: v3.2i
Product version: v2.0i
Software version: v4.4

This device contains **FCC ID 2AD66-RF2401F20**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

For further information, please visit www.fcc.gov.

This device contains **IC ID 21278- RF2401F20**

IC compliance

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Conformité aux normes d'IC

Cet appareil est conforme à la(aux) norme(s) RSS sans licence d'Industry Canada.

Son utilisation est soumise aux deux conditions suivantes:

- (1) Cet appareil ne doit pas causer d'interférences et
- (2) Il doit accepter toutes interférences reçues, y compris celles susceptibles d'avoir des effets indésirables sur son fonctionnement.

Specifications

- Radiofrequency communication at 2.4GHz.
- GFSK Modulation.
- Omni-directional antenna, 5dBi, 50 Ohms, SMA connector.
- Supply voltage: 10Vdc to 30Vdc.
- Display with 2 character, 7 segments.
- 2 Red/Green/Yellow Leds.
- Resistant to dust and water splash.

Installation

1. Disassemble the bracket of the Monitor, removing the two side nuts.
2. Clean the installation surface with a cloth and alcohol.
3. Remove the film from the double-sided tape and fasten the bracket to the surface by pressing the whole area of the tape.
4. Wait for 15 minutes and then mount the Monitor on the bracket with the two side nuts.
5. If you install the bracket over a glass surface, put the anti-UV tape on the opposite side of the glass in order to protect the double-sided tape from the sun.
6. Press the  button to turn on the Monitor and hold it for 5 seconds to turn it off.

- Alternatively, the tape may be removed to mount the bracket with screws or attached to a bar with clamps.

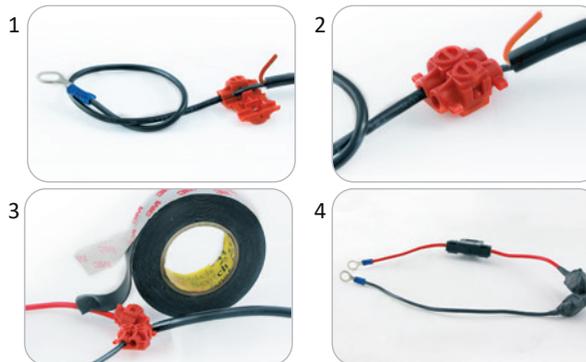
Power connection

The power cable must be connected to a 12Vdc to 24Vdc power source.

OPTION 1

Connecting to the tractor battery

- Use the included installation kit is detailed below.



- The red connector must be protected with self-fusing tape.
- Preferably, the power cable should be connected directly to the battery terminals.

- ⇒ **Attention:** Do not disconnect any others cables attached to the battery of the tractor. It may affect the functionality of other electronics in the tractor.

OPTION 2

Connecting to a power plug inside of the cabin

- The installation kit will not be used, but a proper manufacturer harness (not included) will be needed.



- Cut the power cable excess and mend the wires with the manufacturer harness.



Operation

- The Visum Monitor communicates with the flow sensors, indicating the presence or absence / blockage of flow.
- Under normal conditions, the display show two dashes, indicating that everything is Ok



- The Monitor communicates only with sensors assigned to its ID, which is on a label on the back of the Monitor.
- In case of flow failure (absence or blockage), the Monitor will beep and the display will show the row number. Also, the LED related to the flow product (seed or fertilizer) will turn red.



- If 75% of the rows (or more than 8 sensors, if the implement have more than 12 rows) indicate no flow at the same time, the Monitor will indicate that the implement is in MANEUVER state and a light will be whirling on the display.



- The Monitor gets out of maneuver state when more than 50% of the sensors indicate the presence of flow.
- To save internal batteries, flow sensors are sleeping most of the time. They wake up only when the implement runs and the Monitor is on.