



- * Wireless feed sensor for last feed pan control
- * No electrical cable is needed.
- * Can be installed as middle pan with out wiring.
- * Set up and configuration is done by a APP on mobile phone.
- * Programable time delay and change of NO/NC output.
- * Works on battery for over 3 years.

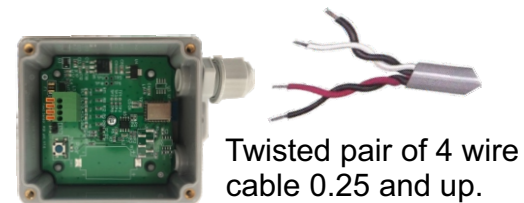


Installation

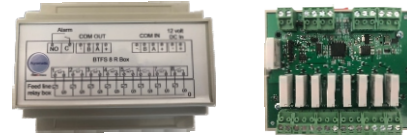
1- Install the BTFS 3 Wall receiver unit on the wall inside the barn up to 40 meter away from the BTFS 1 feed sensors. (The distance may change according to the condition). Open the front panel.



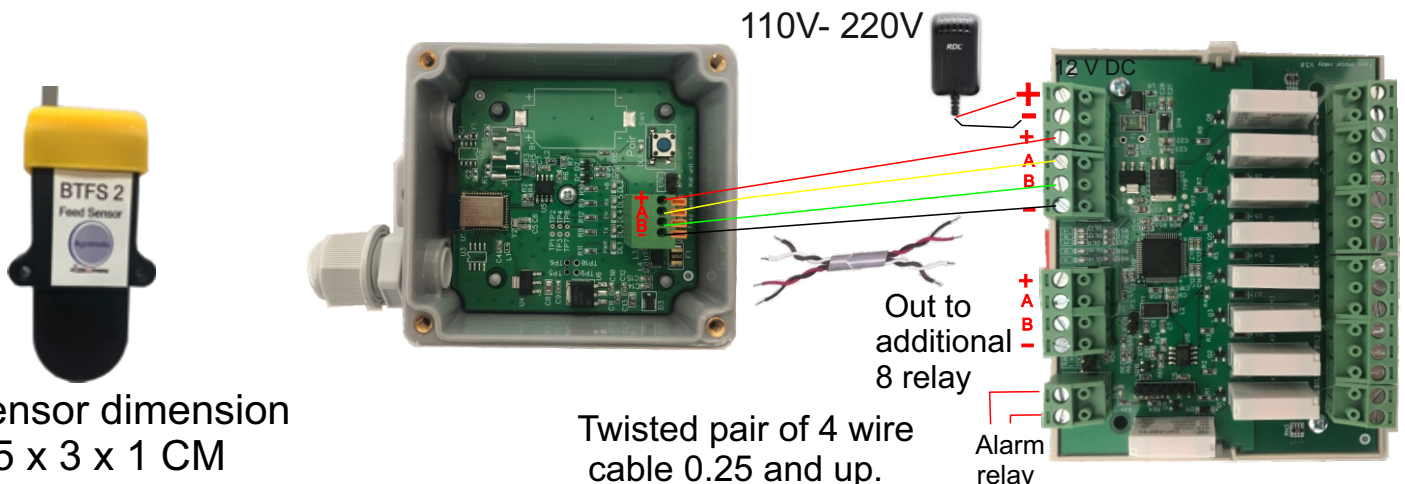
2- Connect a twisted pair of 4 wire cable to the connector + A B -. **NOTE A,B** on same pair.



3- Install the BTFS 8 Relay unit inside the electrical cabinet near the Feeder line motor power relay. Open the cover.



4- Connect the 4 wires cable from the wall unit as on the diagram. Connect the 12 DC power Adaptor to the BTFS 8 input as on the diagram. Connect the relay output as showing on the diagram to the feeder line power relays. Close the cover. Connect the adaptor to main AC power.



Sensor dimension
7.5 x 3 x 1 CM



APS set up for BTFS 3 wall and BTFS 1/2 feed sensor

The set up of the wireless feed sensor is done through a smart phone APP on your smart phone.

Download the APP from Goggle or Apple APP store. "Feed Sensor Manager". Check that your bluetooths is on.

1 Install the BTFS 2 sensor inside the pan stick the include label on the outside of the pan. Drill mounting hole and cable hole on the label marks.

Attached the sensor inside the pan with the strip. Take out the cable through the top hole.



2 connect the sensor cable to the BTFS 1 as in FIG 1 Inset the battery CR123 A 3 volt as in FIG 2,3. Don't close the box yet.

Make sure correct polarity.

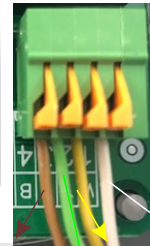
Fig 2



Cr123 A 3



Fig 3



Brown Yellow
Green White

Fig 1

3 Each sensor must be programmed with a WALL unit number and a SENSOR number.

After first installation, the sensor must be CALIBRATED with the pan **empty** of feed .

Start the application.




Push the button in the BTFS 1 box for Apr 0.5 sec until the red light will start to flash 6 time.

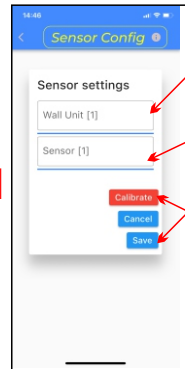


Tap on the Scan for sensor



Tap on the sensor with a 

Repeat until all sensor have been named and calibrated.



1-Tap and enter enter a wall unit number
2-Tap and enter number of sensor connected to the wall unit.

3-Tap to save the setting

4-Tap to calibration the sensor.

Be sure that there is no feed on the sensor.



APS set up for BTFS 3 wall and BTFS 1/2 feed sensor

Start the smart phone Aps

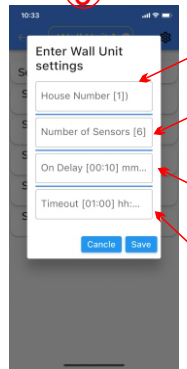
①



Tap to download the manual.

The main screen will appear. Tap on the "wall unit"

③



3-Tap and enter enter a wall unit number

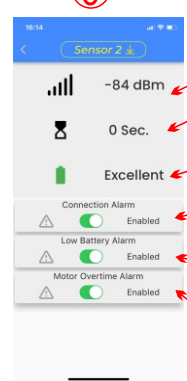
4-Tap and enter number of sensor connected to the wall unit.

5-Push and enter delay time in MM:SEC

6-Tap and enter delay alarm time in MM:SS for max line auger motor working time.

Wall unit set up appear. enter general setting.

⑥



Show receiving signal.

Show count down delay timer.

Show battery condition.

give an alarm if sensor is not connected.

Give an alarm if battery is low or faulty.

Give an alarm auger motor work more than set time.

The sensor can activate an alarm relay in the relay box. All alarm can be disable.

Technical information.

It is possible to connect up to 2 relay box max 16 feed sensor to one wall unit.

It is possible to instal more wall unit in the same Building in case the distance is to big from the feed sensor. Each wall unit need 1 or 2 relay box.






It is possible to set a delay time for all connected feed sensor.

The auger motor will start to work after no feed on sensor and the delay time.

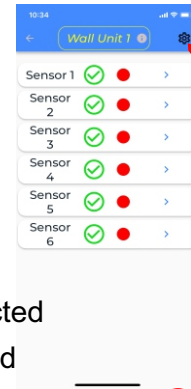
It is possible to get an alarm in case that the auger motor is working more than the set auger motor delay time.

It is possible to set the sensor to be NC or NO.

All connected sensor will appear.

-  1- sensor ok
-  2- Auger motor off.
-  3- Auger motor on.
-  4- sensor disconnected
-  5- alarm is activated

②



Tap on the set up sign

Alert indication.

④



Tap on the Re-Scan All connected device will appear.

⑤



Tap on one of the sensor to set up each sensor.

It is possible to set the feed sensor to be NC. in case there are no feed on the sensor element or to be NO. in case there are no feed on the sensor element. To set the sensor to be NC. Tap to change.

