Auger Manager

Automated feed system control for livestock facilities

AutoFlex Connect's Auger Manager is a purpose-built control feature designed to automate the operation of feed augers in livestock barns. With Smart Groupings, trigger-based shutoffs, and flexible hardware compatibility, it provides precise and efficient feed delivery while reducing waste and minimizing manual oversight.

Ideal for:

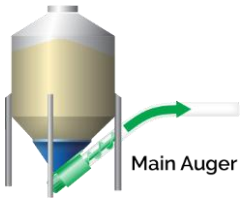
- Operations aiming to improve feed efficiency and reduce labor
- Operations that want to integrate feed system control with ventilation, lighting, cooling, and other systems

How Auger Manager works

- You can create up to seven **Auger Groups**.
- Each Auger Group must have a **Main Auger**. A Main Auger delivers feed from the bin to a main feed line.
- Each Main Auger can have up to six **Line Augers**. A Line Auger delivers feed from a main feed line to a secondary line.

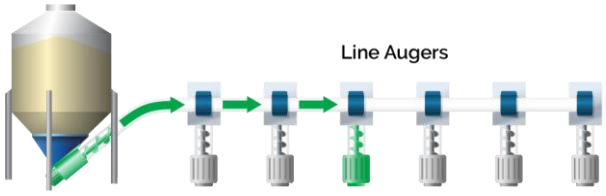
Cycle overview using a Main Auger only

1. Switch on the Main Auger.
2. Wait for the trigger event (proximity or low current) to occur, or the Maximum Run Duration to be reached.
3. Switch off the Main Auger.
4. Wait for the **Cycle Off Duration** and then repeat the cycle.



Cycle overview using Main and Line Augers

1. Switch on the augers.
2. Wait for the trigger event (proximity or low current) to occur or the **Maximum Run Duration** to be reached.
3. Switch off all augers.
4. Wait for the **Cycle Off Duration** and then repeat the cycle.



Features

- Group-based control, up to seven Auger Groups
- Duty cycle operation
- Time-based control with Active Start and Active End times
- Smart shutoff:
  - Proximity Trigger – stops augers when feed is detected
  - Low Current Trigger – stops augers when current falls below a set threshold
- Alarms: Low Feed, High and Low Current, Maximum Runtime

Hardware setup

Each Auger requires one relay. RM-2 Relay Modules have two high-capacity relays with built-in current sensors on each relay. RM-4 Relay Modules have four general-purpose relays without current sensing. External current sensors are required when using RM-4 modules.

Here is an example of a system with one main auger, three line augers, and proximity sensors on the line augers.

Hardware setup using RM-2 Relay Modules

Equipment	Description	Qty
RM-2	Relay Module, 2 relays, current sensing	2
IN-4	Input Module, 4 inputs	1
DOL 43	Proximity sensor	3

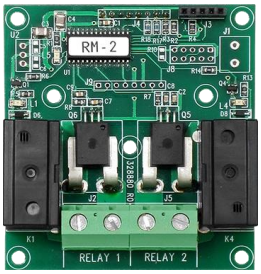
Setup using an RM-4 Relay Module

Equipment	Description	Qty
RM-4	Relay Module, 4 relays, no current sensing	1
IN-4	Input Module, 4 inputs	2
CURRENTSENSE-2	Current sensor, 2 transformers	2
DOL 43	Proximity sensor	3

RM-2 Relay Module

Two **high-capacity** relays, each with a **current sensor**

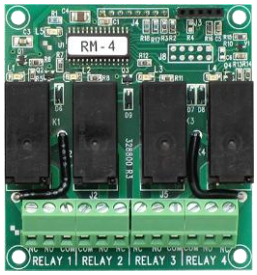
- 20 A at 120/230 VAC, general-purpose (resistive)
- 1 HP at 120 VAC; 2 HP at 230 VAC



RM-4 Relay Module

Four **general-purpose** relays, **no current sensing**

- 15 A at 120/230 VAC, general-purpose (resistive)
- 1/2 HP at 120 VAC; 1 HP at 230 VAC



IN-4 Input Module

Four inputs for sensors such as current and proximity

Current Sense

Two split-core current transformers

Proximity sensors

Detect feed proximity with DOL 43 and 44-series capacitive relay sensors.