EM210

Weighing Indicator and controller (Packaging solution)

The packaging EM210 is for packaging applications developed from the standard EM210.. Intelligent self-learning mode enable it to adapt the condition changes in the field packaging, and adjust the weighing system to accurate state quickly. It can be widely used in production of food and pharmacy industries, feeding, canning and other industries.
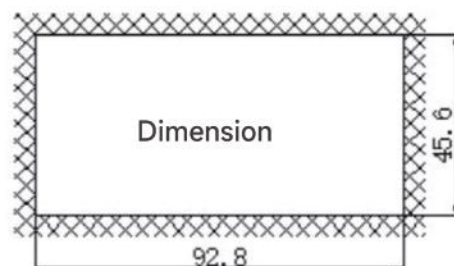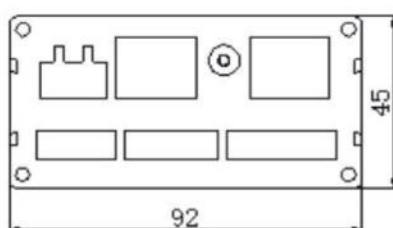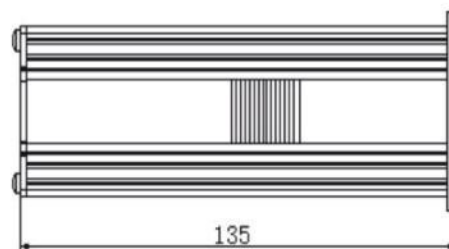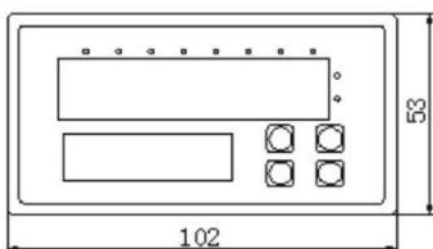
Key features

- Support material level control function.

- Support cumulative display and printing functions.

- Supports a maximums of 8 I/O inputs and 8 outputs, to customize port functions.

- Support 2-speed and 3-speed control, improve the packaging speed and accuracy.

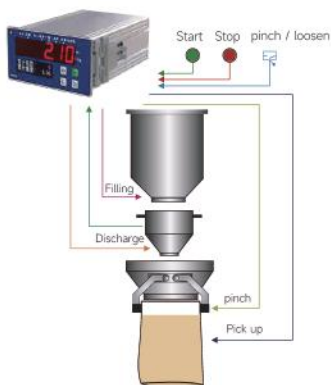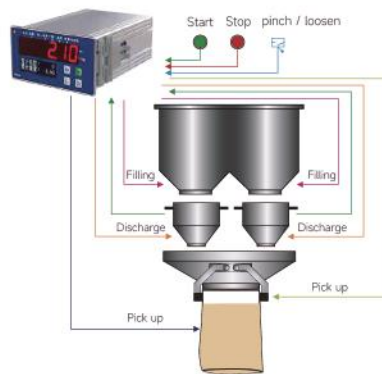- Multiple communication interfaces.

Dimensions

Unit: mm

53
102

135

45
92

Dimension
45.6
92.8

Specifications

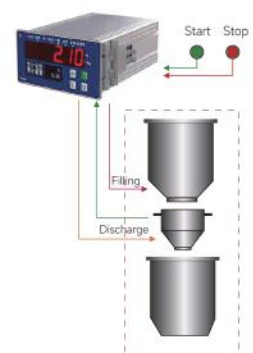|	
Product model	EM210
AC/DC Power	85-264VAC / 18-36VDC
Operation temperature	-20 ~ +60
Display screen	LED nixie tube and 1.7 "OLED dot matrix display
Number of verification scale intervals (e)	3000
Number of scale intervals for indicator (d)	100000
Number of sensors	Up to 4 350Ω load cells (2 or 3mV/V)
A/D sampling rate	300Hz
Load cell Excitation	5VDC
Minimum input sensitivity	1 μV/e
Accuracy class	III
KeyPad	4 key control
Communication protocol	Command output, continuous output,Modbus RTU,Modbus TCP
Calibration method	Weight calibration; Weight-free calibration; Remote calibration
Working mode	PLC mode, hopper mode, no hopper mode, bulk grain mode
Level function	Support material level control function
Feed speeds	Single speed setting,2-speed setting, 3-speed setting
Totalising	Supports the total weight and number of packets
Formula	5 kinds of recipe storage
Control interface	Support a maximums of 8 inputs and 8 outputs
The input setpoint is optional	None, start/stop, gate ready, high cut level, low cut level, in-service scale ready, out-of-tolerance accepted, bag pinch/loose bag, scram
The output setpoint is optional	None, coarse feeding, medium feeding, fine feeding, cut-off valve output, zero output, out of tolerance alarm, cumulative number of packets, beating/vibration/pier bag, pinch bag, discharge.

Application scenario

Single-scale packaging

Dual-scale packaging

Bulk Weighig