

by



### HIGHLIGHTS

- Easy to Get Judgement by Hi, Lo, Go Comparator Lights with Buzzer
- LED Bar Shows Where the Weight of an Object Falls Within the Acceptance Range
- Built-in Timer Controls Weighing Process by Signal from an External Photo-Electric Switch
- Weight, Accepted Piece and Accumulated Piece Count Can be Displayed at the Touch of Button
- Up to 100 Setpoint Sets of Target (Accept Weight), Upper Limit, Lower Limit and Tare Can be Stored by Individual Code Number
- Five Digits of Target, Three Digits of Upper Limit and Three Digits of Lower Limit by the Front Key Operation (Available Five Digits of Upper and Lower Limits Using Internal Software Parameters)
- Bright and Large 13mm Fluorescent Display
- 1/10,000 Display Resolution Capability, Precise Enough for Any Application
- Sealed Keys Keep Out Dust in Industrial Environments
- 70 Times/Second Fast Sampling
- Standard Current Loop for Output to Printer and/or External Display
- Full Digital Calibration Makes Zero and Span Calibration a Breeze
- Complete RFI/EMI Protection

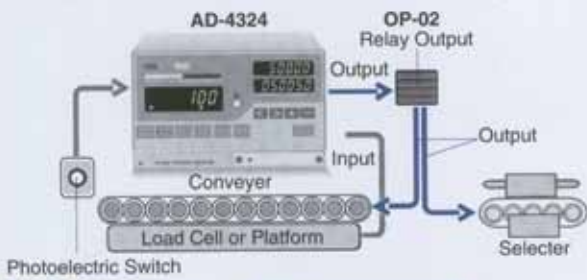
### OTHER FEATURES

- Display: Stores and Recalls Up to 100 Pre-set Setpoint Sets Under Separate ID's, Total Number of Pieces Checked, Total Number of Pieces Accepted, Target Weight, 12 Step LED Acceptance Range Bar Indicates Deviation from Target Weight.
- Heavy Duty Construction
- Easy Installation
- Simple Calibration
- External Control I/O, Dry Contact Relay Output Standard
- Auto Zero Maintenance with Adjustable Parameters
- Accept/Reject Buzzer
- Front Panel Key Lockout Prevents Operator Tampering
- Fully Selectable Decimal Point Positioning
- Programmable Gravity Compensation
- Selectable Units of Measure: kg, pcs

# CHECK WEIGHING MODES

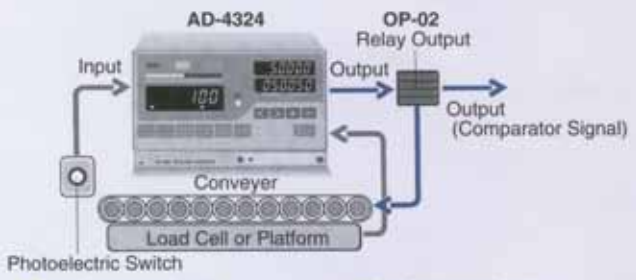
## User Programmable Check-Weighing Modes

Because everyone's check-weighing requirements are not the same, we designed the AD-4324 so that you can program it to your specific requirements.



● **Fully Automatic (1):**  
Always in-motion.  
Automatic reject.

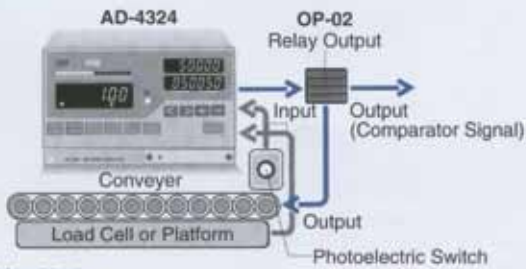
● **Simple Check-Weigher**  
In-motion only.  
Records total packages and total acceptable packages.



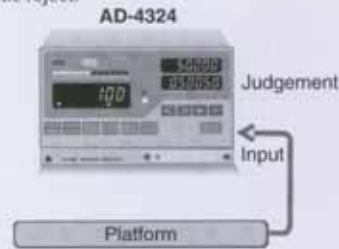
● **Semi-Automatic (1):**  
Stops conveyor when item is out of acceptable range.

● **Fully Automatic (2):**  
Conveyor stops during weighing for high accuracy.  
Automatic restart.  
Automatic reject.

● **Semi-Automatic (2)**  
Conveyor stops during weighing for higher accuracy.  
Conveyor stops & buzzer sounds for items out of acceptable range.

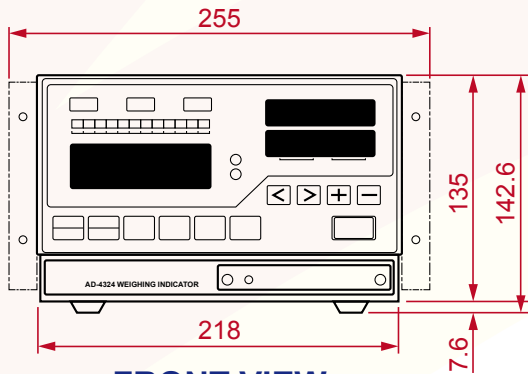


● **Packing Mode**  
Fill container on in-motion scale while stationary.  
Press start button when complete.  
If container is within acceptable range, conveyor starts.

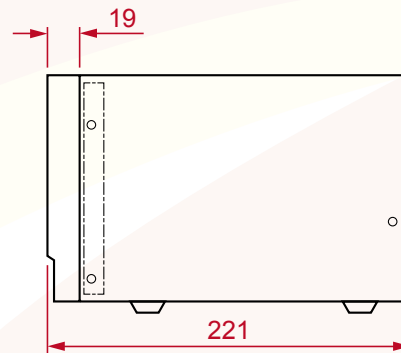


● **Under/Accept/Over**  
Set the acceptable weight range and set the buzzer function to your Under/Accept/Over requirements.

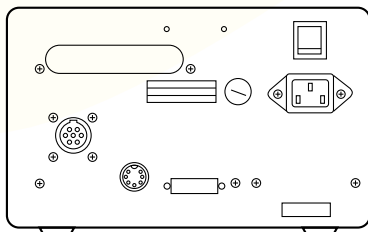
## DIMENSIONS



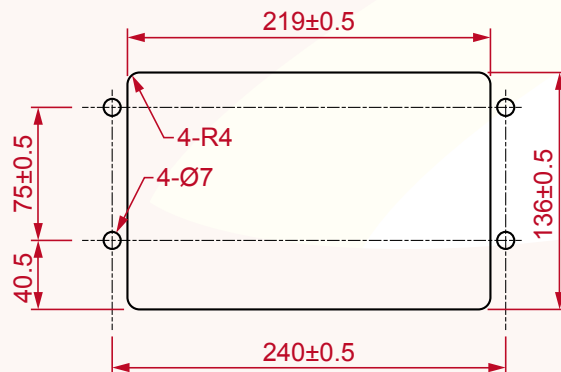
**FRONT VIEW**



**RIGHT SIDE VIEW**



**REAR VIEW**



**CUTOUT**

# SPECIFICATIONS

ANALOG & A/D CONVERSION	
Excitation	12V $\pm$ 5%, 280mA, Remote Sensing Limiter for Overload, Maximum 8 x 350 $\Omega$ Loadcells
Input Sensitivity	Minimum of 0.6 $\mu$ V/Division
Operating Modes	Single Range
Zero Cancellation	0.35mV/V to 24mV/V (Full Digital Calibration)
Span Adjustment	Full Digital Calibration Method
Non-Linearity	$\pm$ 0.01% of Full Scale or Less
Temperature Co-Efficient	Zero $\pm$ (0.02 $\mu$ V + 0.0008% of Dead Load)/ $^{\circ}$ C Span $\pm$ 0.0008%/ $^{\circ}$ C of Reading
Input Impedance	10M $\Omega$ Minimum
Input Noise	$\pm$ 0.3 $\mu$ Vp-p or Less
Display Resolution	Up to 10,000 Divisions, Minimum of 0.6 $\mu$ V/Division
Internal Resolution	96,000 Internal Counts
Overload Tolerance	Maximum Capacity Plus 9 x Divisions
Sampling Speed	Approximately 70 Times/Second
DIGITAL	
Main Display	13mm, 7-Digits, High-Intensity Cobalt Blue Fluorescent Tube
Under Zero Indication	"-" Negative Sign
Unit Indication	kg, pcs
Control Switches	Standby/Operate, Zero, Tare, Clear Total, Display/Select, Start/Stop
Limit Value and Setpoint Switches	<, >, +, -, Enter
GENERAL	
Power	240VAC +10%/-15%, 50/60Hz
Operating Temperature	-5 $^{\circ}$ C ~ +40 $^{\circ}$ C
Storage Temperature	-15 $^{\circ}$ C ~ +70 $^{\circ}$ C
Operating Humidity	Less than 85% Relative Humidity (Non-Condensing)
Dimensions	218mm(W) x 142.6mm(D) x 221mm(H)
Panel Cutout	219mm $\pm$ 0.5mm(W) x 136mm $\pm$ 0.5mm(H)

## OPTIONS

- OP-01 BCD Output
- OP-02 Relay Output
- OP-04 RS-232C Interface
- OP-05 Indicator Stand
- OP-06 Panel Mounting Fixture
- OP-07 Printer Mounting Kit

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