NABCO ENTRANCES TECHNICAL BULLETIN

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Who is the technical contact?
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New Acusensor 3

Introducing the Acusensor 3 (PN 14-8902-3), the next generation of sensor technology advancements brought to you by NABCO.   Several upgrades have been made to the highly successful and reliable Acusensor 1B.

Here are some of the features and benefits:
- (4) row x (8) column rectangular grid-like pattern
- No rewiring - plugs in directly to Acusensor 1B connectors
- Highly versatile - Can be used for motion and/or presence detection
- Variable Learn Times: 2 seconds, 10 seconds, 30 seconds and 90 seconds
- Multiple width and depth pattern adjustments to meet specific applications
- Ability to offset the pattern 7 degrees to the right or left
- Three sensitivity settings
- 4 separate sensitivity settings for snow and it works automatically by temperature
- Dual voltage capability (12 to 24V AC or DC Class 2)
- 4-mode mutual interference prevention function
- Interfaces with Gyro Tech equipment and the equipment of other manufacturers
- No external programming device required
- Variable LED Output display (Green, Red, Orange) shows standby, first and second row activation

Part Description	Acusensor 3
Part Number	14-8902-3
Sensing System	Active reflective infrared system (Motion / Presence)
Power source	12 to 24V AC or DC Class 2
Recommended Temperature Range	-20 to +55°C (-4 to 131°F)
Power consumption	<2.5VA @24VAC, <100mA @12VDC)
Output Contacts Rating	Form A relay, 50V 0.1A Max. (Resistance load) No Detection: "OPEN", Detection: "CLOSED", Power failure: "OPEN"
Mounting height	6'-6" (2m) to 9'-10" (3m)
Detection area (when mounted at the height of 9'-10")	Max. depth: 74.8" Max. width: 130.7" (approximately 52" deep x 66" wide @ a height of 84")
Output display	Green / Stand-by Red / 1st Row Detection Active Orange / 2nd Row Detection Active
Standstill memory time (learn time)	2 sec, 10 sec, 30sec, and 90sec
Output holding time	0.5 seconds
Weight	Approximately 1/2 lbs (8.5oz)
Color	Black

Note: Mounting and cabling access hole pattern is different than Acusensor 1B.

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