



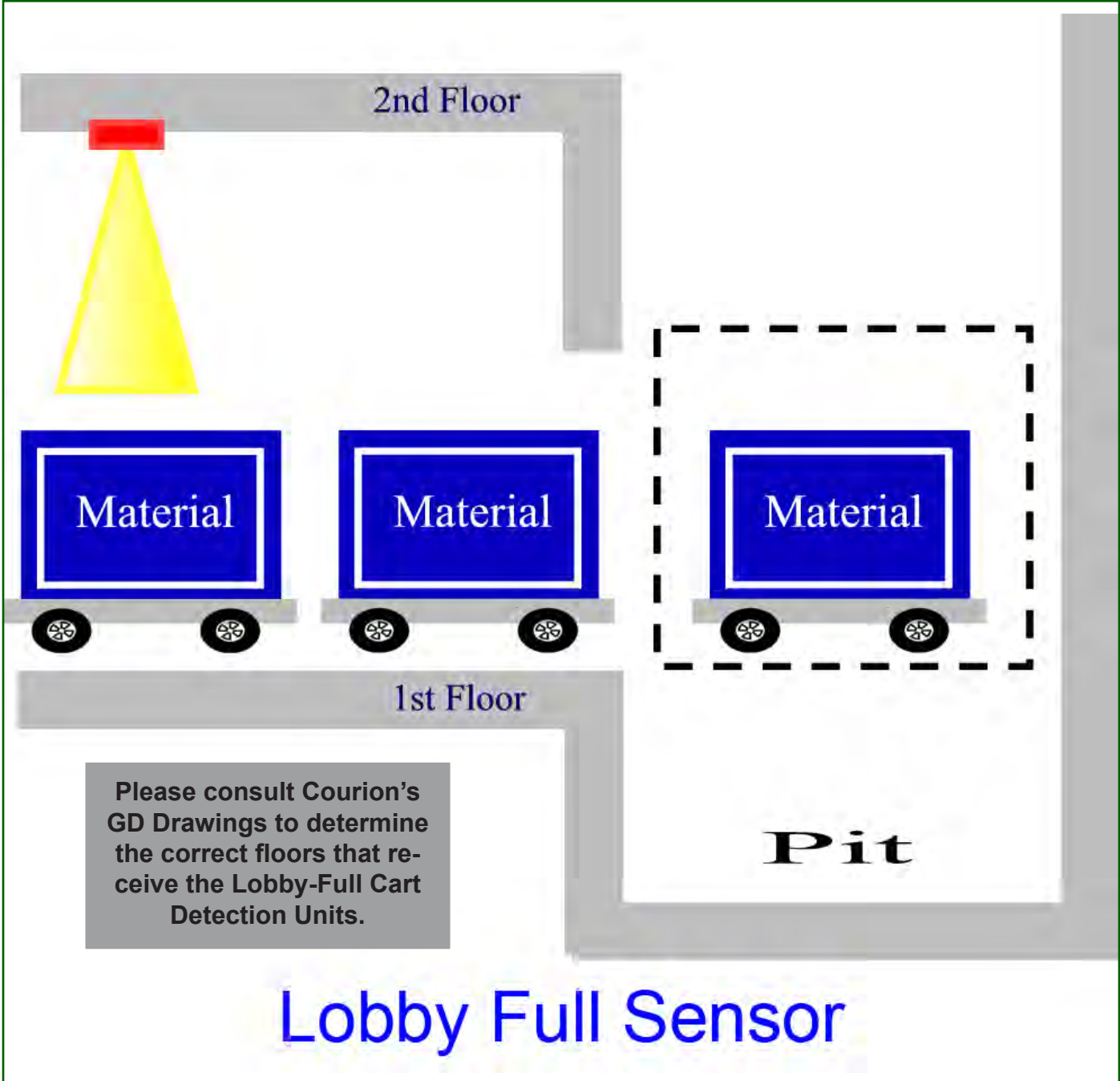
OPENING QUALITY DOORS
AROUND THE WORLD



Lobby Full Sensor Installation Instructions

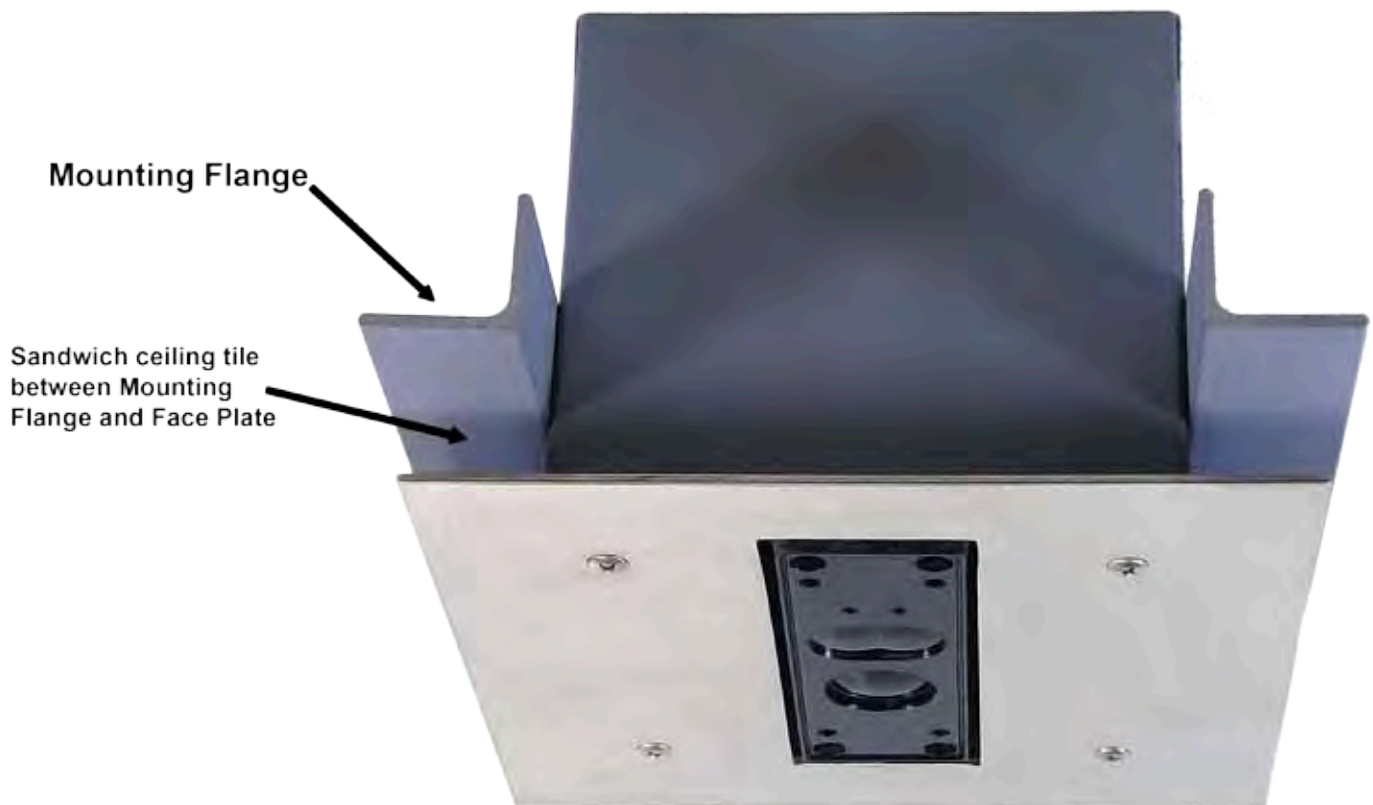
Cart-Matic® Installation Instructions

- 1 Locate the final **"UNLOADED"** Cart position in the Lobby. The final **"UNLOADED"** position is project specific and dependent on the location of the final cart when the lobby is considered **"FULL"**.



OPENING QUALITY DOORS AROUND THE WORLD

- ② Install a Lobby-Full Cart Detector Unit “in” or “on” the ceiling structure as determined by the ceiling composition. If “**Drop**” ceiling, cut a 6” x 8-3/4” hole in the ceiling tile and sandwich the ceiling tile between the cover plate and the Mounting Flanges of the Lobby-Full Cart Detector Unit. If “**Bottom of Slab**” ceiling, reverse and re-attach the mounting flanges to holes at top of housing. Anchor flanges to ceiling



Drop Ceiling Mounting Shown



Cart-Matic® Installation Instructions

3 Following Courion's Wiring Diagram, wire the Lobby Full Detector Units to the Courion Door Control or Elevator Control, depending on the desired operation.

Option 1 - Elevator Control: When the Lobby is FULL, Operator is not allowed to dispatch a cart to that floor until the FULL condition is remedied. If this is the way you wish the Lobby Full Detectors to operate, then the Lobby Full Sensors are wired to the Elevator Controller (please consult your Elevator Control wiring diagrams for wiring instructions).

Option 2 - Courion Control: When the Lobby is FULL, Operator may dispatch cart to that floor but CART-MATIC Unit will not eject cart until the FULL condition is remedied. If this is the way you wish the Lobby Full Detectors to operate, then the Lobby Full Sensors are wired to the Courion CART-MATIC Controller (please consult Courion's CART-MATIC Control wiring diagrams for wiring instructions).

IMPORTANT - *Every device needs to be separately connected to the corresponding control device.*

CONNECTIONS		
BROWN	105-130 VAC	Power Source
BLUE	105-130 VAC	Power Source
BLACK	RELAY OUTPUT (C)	To Courion Control or Elevator Control
WHITE	RELAY OUTPUT (NO)	To Courion Control or Elevator Control
YELLOW	GROUND	Power Source

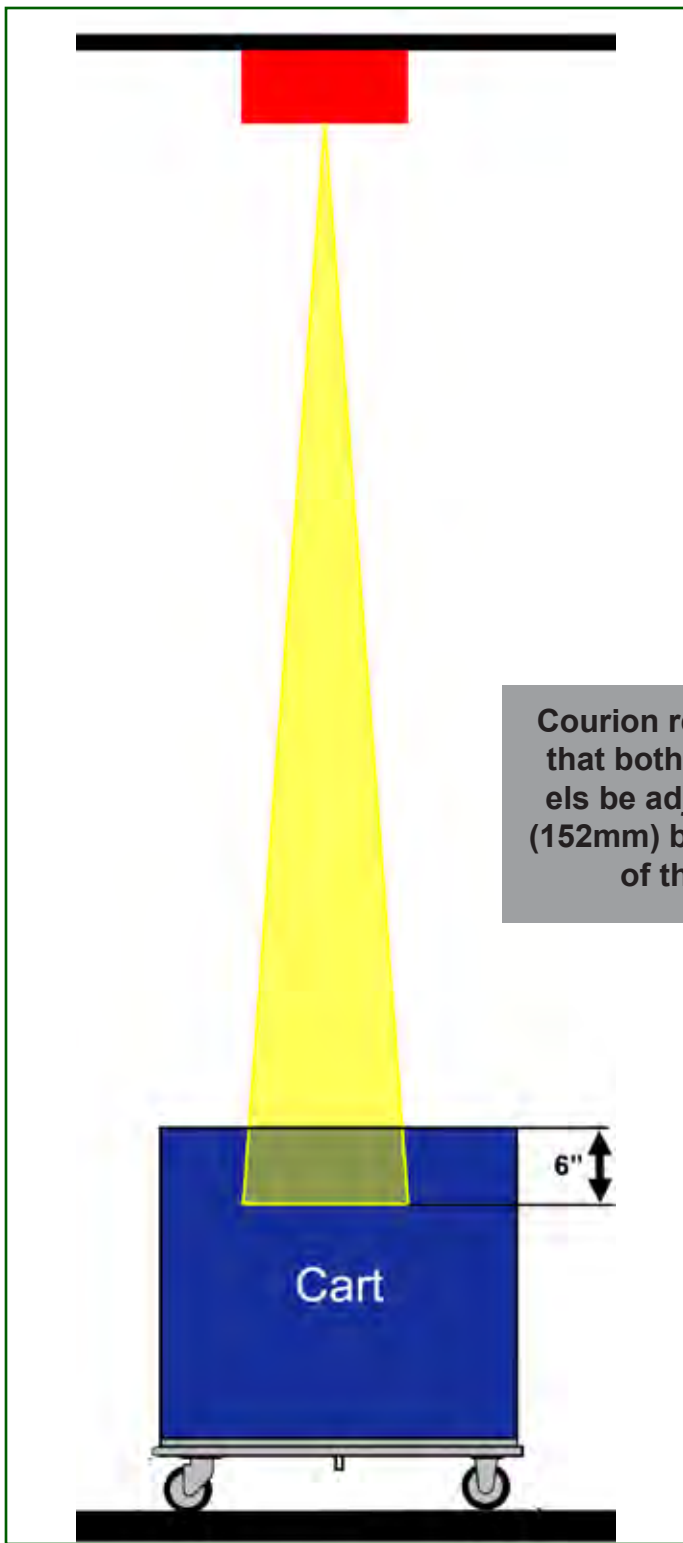


OPENING QUALITY DOORS AROUND THE WORLD

- ④ Using the Sensor's Beam Triggers, adjust the sensor trigger levels to 6" (152mm) below the top of your cart.



Cart-Matic® Installation Instructions



Courion recommends that both trigger levels be adjusted to 6" (152mm) below the top of the cart.

- The sensors used in the Lobby-Full Cart Detector are very precise active infrared proximity sensors with background suppression. The sensing range can be adjusted very precisely by using the Beam Triggers (multi-turn potentiometers). The two integrated Status LED lights allow simple trigger level adjustment.
- If a cart interrupts either beam of the sensor, one shared output is switched.
- Once your Sensor is properly adjusted, please install the sensor lens cover by gently pressing it into place over the face of the sensor.

Levels	
Maximum Trigger Distance	78" (2m)
Minimum Trigger Distance	12" (300mm)
Trigger Level Increase	clockwise
Trigger Level Decrease	counter clockwise
Minimum Space from Wall	4" (100mm)
Minimum Space between Lobby Full Sensors	8" (200mm)
Minimum Space to Hoist-way Doors	4" (100mm)



Troubleshooting

Trouble	Cause	Solution
Does not operate as expected	Irregular supply voltage	Adjust to the specified voltage range
	Wire/cable cut or improperly connected	Check the wires/cable
	Inappropriate installation	Check the installation section of this manual
The RED LEDs remain unlit	Trigger level too low	Increase the trigger level
	Lobby Full Sensor installed to high	Check the installation section of this manual
	Irregular supply voltage	Lobby Full Sensor installed to high
Irregular operation	Dirty lens	Clean the front surface with a soft towel from dust or dirt.
	Something swaying between the sensors interrupts the light beam	Remove the obstruction
The RED LEDs blink continuously	Trigger level set get too long	Decrease the trigger level
	Lobby Full Sensor installed to low	Check the installation section of this manual
The RED LEDs flicker continuously	Minimum gap between devices too short	Increase gap between devices
	The device is interrupted by other infrared emitters	If possible, change the alignment angle of the sensors.
Adjusting trigger level has no effect	Beams are interrupted by a hand (LEDs always on)	Take care that while manually adjusting the trigger level, the light beams are not interrupted by your hand.
	Trigger level too long (LEDs always off)	Try to pull the screw a bit while tightening





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