NABCO ENTRANCES TECHNICAL BULLETIN

S82 W18717 Gemini Drive Muskego, WI, 53150 Phone: (877) 622-2694, Fax: (888) 679-3319 www.NabcoEntrances.com Date: September 18. 2014

Who is the technical contact? Mike Buckley

Using the Acuzone Sensor on Secure Sliding Doors

The Situation:

On sliding doors using an electric lock, when the rocker switch is set to "one way" mode, it may be possible for someone on the secured side of the door to slide an object between or under the doors to trigger the inside sensor's safety (infrared) area, thus, unlocking and opening the door.

The Solution:

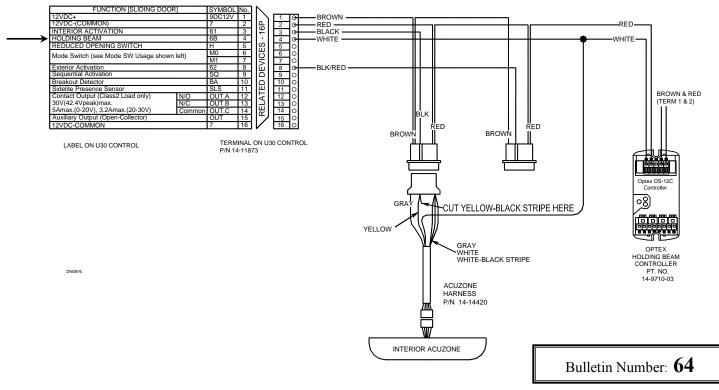
The Acuzone is capable of separating it's safety (infrared) area output from it's approach (microwave) area output. The safety output then can be rerouted to the holding beam input of the U-series control. The control can then be programmed to ignore the holding beam when the door is fully closed.

The Procedure:

1) Set dip-switch 13 on the sensor to "off" (down position). This separates the infrared and microwave outputs.

2) On U19 or earlier controls, under "Special Functions" on the Handy Terminal, set "Holding Beam" to "N". The U30 control already has this option set to "N". This instructs the control to ignore the holding beam when the door is fully closed.

3) Cut the yellow w/black stripe wire on the Acuzone harness on the end opposite the sensor and connect it to the white wire on the control's main harness (used for holding beams) as shown below. If you have a harness where the striped yellow and white wires have been cut (a small number of these harnesses exist), a new harness will be required (P.N. 14-14420).



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