



# Technical Bulletin

## BULLETIN #6

### BESAM MP CONTROL WITH LO-21 TO CORRECT INCOMPATIBILITY BETWEEN SOME MP CONTROLS AND BODYGUARDS

1. Perform all adjustments to doors prior to wiring LO-21 and Bodyguard.
2. With PMD unit, make note of Function 10 (Door Opening Angle) of door or doors (if pair).
3. Adjust Function 11 (Switch 1) angle to 83 degrees.\*\*
4. Install Bodyguard and LO-21.

#### Wire LO-21 as follows:

1. Remove power from door control.
2. Connect RED and BLACK wires to control box. Connect RED to pin 19 and BLACK to pin 13.
3. Connect LO-21 RED w/ WHITE stripe to Bodyguard pin #7 and WHITE to Bodyguard pin #6.
4. Connect ORANGE to pin 17 on C/B and BROWN to in 18 on C/B.
5. Connect Bodyguard terminal #1 to M/P control #17, Bodyguard terminal #2 to M/P control #18.
6. Open door automatically with activation device. Check to see that RED LED on LO-21 comes on during closing cycle.
7. Connect Bodyguard pin #3 to Pin #11 on C/B and Bodyguard pin #4 to pin #9 on C/B.
8. Make adjustments to LO-21 and Bodyguard as per respective manuals.

\*\* Note: If opening angle is less than 83 degrees, adjust switch #1 angle to 5 degrees less than opening angle, except on a pair of dual egress doors.

NOTES: PMD Function #20 Overhead Presence Detection Setting Yes/8  
LO-21 Red with White stripe to terminal #7 Bodyguard  
LO-21 White wire to terminal #6

