

000-SK Installation Instructions

201 Air Only Bluetooth/RS-232 Upgrade Kit

Parts Included

- 1 Pre-programmed Circuit Board
- 1 Pressure Sensor
- 1 Electrical Cord for Power/RS-232
- 1 RS-232 Serial # Label
- 4 Nylon Lock Nuts
- 4 Machine Screws

Tools Required

- Adjustable Torque-Limiting Screwdriver 6-30 in-lbs (RWLS will provide)
- 3/8" Center Drill Bit (RWLS will provide)
- Tight Clearance (Thin) 15mm Wrench (RWLS will provide)
- Electric Drill
- 1/4" Drive, Deep Well Sockets: 12mm, 13mm, and 1/2"
- Combination Wrenches: 12mm, 13mm, 15mm, 1/2", 9/16"
- Phillips Screwdriver or Electric Screwdriver with Phillips Bit
- Small Flat Blade Screwdriver

Installation

1. With enclosure lid open, place 201-EDG-01B face down in aluminum gauge fixture.
2. Remove and discard the four Phillips machine screws that fasten the gauge to the enclosure box.
3. Lift the enclosure box and gasket off the fixtured gauge.
4. Remove the push-to-connect air fitting. (12mm, 13mm, or 1/2" hex depending on supplier)
5. Use a thin 15mm wrench to hold the base of the cable gland while loosening the 15mm hex nut.
6. Remove the four Phillips sheet metal screws that fasten together the two halves of the gauge case.
7. Separate the gauge case back from the front so you have access to the power cable and sensor connections.
8. Use a small flat blade screw drive to press on the release tabs of the spring connector where the power cable connects to the circuit board. Press each tab and remove the corresponding conductor one at a time.
9. Pull to remove power cable from cable gland. Discard old cable.
10. Gently pull on the jumper cable that connects the sensor to the main circuit board until the connector pulls free from the main board. The back case should now be free from the front case and circuit board.

11. Remove and discard the four nylon lock nuts from the gauge fixture and replace with the new ones provided.
12. Remove the four Phillips screws that secure the circuit board to the front case.
13. Unlock the ribbon connector mounted on the circuit board and disconnect the keypad ribbon.
14. Remove the circuit board and replace with RWLS-0-42-2 model.
15. Insert the keypad ribbon into the ribbon connector on the new circuit board. Once the ribbon is fully seated, lock the ribbon connector to secure the ribbon in place.
16. Reinstall the four circuit board retaining screws.
17. Remove the old-style pressure sensor from the back case using a 9/16" and 1/2" combination wrench or socket wrench.
18. Use the 3/8" center-drill to enlarge the pre-existing sensor hole.
19. Install the new pressure sensor into the newly enlarged sensor hole. Torque the panel nut to 30 in-lbs.
20. Insert new 4 conductor power/RS-232 cable into the cable gland until out jacket is flush or with the cable gland in the inside of the back case. Tighten the cable gland nut until it is fully seated on the body.
21. Place the RS-232 serial number label on the bottom side of the back case
22. Insert the power/RS-232 wires into the appropriate spring connector position on the circuit board.
 - a. Red – "BAT +"
 - b. Black – "GND"
 - c. Blue – "TX"
 - d. White – "RX"
23. Connect the sensor jumper cable to the "SEN-1" connector on the circuit board.
24. Mate the gauge back case with the gauge front case and reinstall the four Phillips sheet metal screws.
25. Reinstall the push-to-connect air fitting. Torque to 14 in-lbs.
26. Reinstall the enclosure gasket and the enclosure on to the fixtured gauge. Fasten in place using the new machine screws provided.