



JANUS

HDSICM ONE WAY INTERCOM USER'S MANUAL



AVIRE

Janus is a brand of Avire

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FEATURES

- Complies with the 1996 Code for machine room to cab communications
- Simple off-hook operation
- Easy installation with one pair wiring
- Battery backup
- Call is initiated from Machine Room phone only
- Wall mounted phone with handset for machine room
- Available in multi-button models for multiple cabs.
- Cab unit can mount on ceiling using provided enclosure or can be mounted behind speaker pattern if removed from enclosure

OPERATION

1. Remove the handset from the telephone and it will automatically establish communication with the elevator unit. If there are 2 or more buttons on the telephone, press the appropriate button to establish communication with the unit you need to communicate with.
2. To end the call, simply just hang up the handset to the cradle

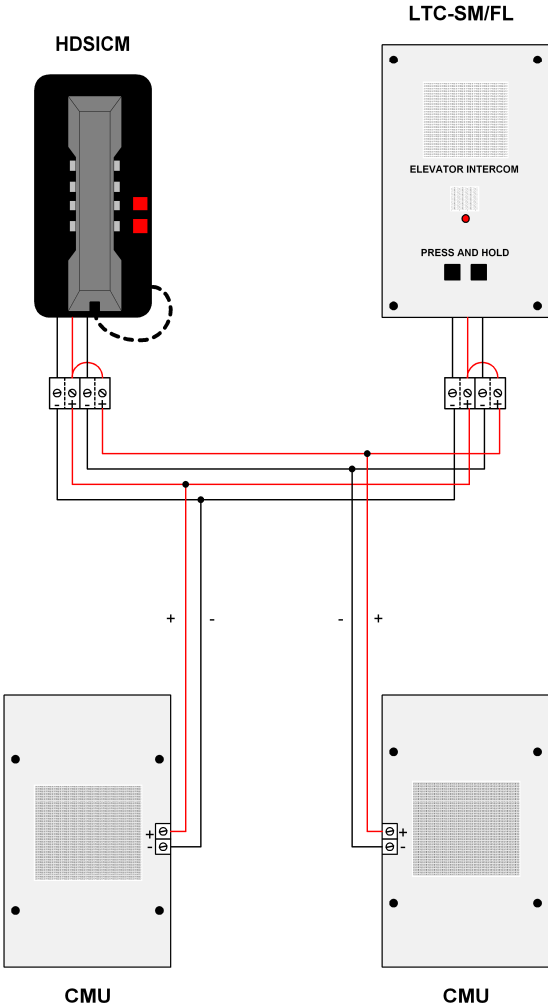
PRE-TESTING

1. Remove intercom system from shipping box. If you want to test the intercom before installation, connect a pair of wires from the white terminal strip to the TELCO block on the cab unit. Be sure that the positive side of the European connector is connected to the positive side of the TELCO block. See markings on the connector and on the PC board beside the TELCO block for proper terminal designations.
2. Plug the AC power supply into 110VAC outlet and connect the 9-volt battery to the battery snap.
3. Take the elevator unit into an adjoining room and close the door.
4. The person at the machine room phone should pick up the handset. If it is a simplex unit (no pushbuttons), communication can begin. If the unit is a duplex (2 button) or triplex (3 button), the person needs to press the appropriate pushbutton to communicate with the elevator cab unit.
5. Check each elevator unit in the same manner.

INSTALLATION

1. The intercom system requires one pair wiring for each elevator unit to the machine room phone. The intercom system requires 110 volts AC to trickle charge the battery. The wiring from the AC plug can be extended as needed to get to the nearest outlet. Connectors are provided for this purpose.
2. Install the elevator unit on the ceiling using the mounting holes provided in the galvanized box. The elevator unit can be mounted behind a speaker grill in the car operating panel (3.5 inch minimum diameter speaker pattern required) by removing the intercom board from the galvanized enclosure.
3. Install the machine room telephone on the wall using an RJ11W or equivalent.
4. Connect the AC power to the machine room telephone.
5. For Simplex installations, connect one pair of wires between the European connector of the Machine Room telephone to the TELCO connector of the elevator unit. This connection is polarity sensitive, so be sure to connect the wiring so that the positive is on the No. 2 terminal.
6. On multi-button telephones, there will be a white terminal strip at the Machine Room phone with a connection for each cab unit. When you connect the wiring at the TELCO connector, be sure that the positive is connected to the No. 2 side of the connector. Positive and negative are marked on the board.

DUPLEX SYSTEM SAMPLE DIAGRAM



TROUBLESHOOTING

1. Make sure that the Machine Room phone is getting power from the AC transformer by checking the voltage on the battery snap. There should be approximately 13 volts DC with the handset on-hook. There should be positive voltage on the female side of the connector and negative voltage on the male side. If the polarity is not correct reverse the wires coming from the wall transformer.
2. Make sure the wall phone is powered by taking the handset off hook and pressing any of the digits. There should be tones heard in the handset. If no tones are heard check the connections to the power supply.
3. Make sure the 9-volt battery is charged. If you have less than 8-volts you can temporarily replace it with any charged 9-volt battery for testing purposes. The 9-volt battery supplied with the unit is rechargeable and will build up to full charge after a couple of hours connected to the power supply.
4. Check to make sure voltage is being sent to the European connectors. WITH THE HANDSET OFFHOOK and THE APPROPRIATE PUSH BUTTON PRESSED (if not simplex) check to see if you have 9-13 volts DC to the European connector to the selected elevator cab.
5. Check to make sure the cab unit is getting voltage. WITH THE HANDSET OFFHOOK and THE APPROPRIATE PUSHBUTTON PRESSED (If not simplex) measure the DC voltage at the TELCO connector. There should be 9-13 volts. Make sure that polarity is correct-positive voltage on the No. 2 and negative voltage on No. 1 connector. The CMU intercom in the elevator cab does not require a 9-volt battery.

6. You can test each cab unit individually and without any field wiring connected by attaching a 9-volt battery to the battery connector that is soldered directly onto the PC board and plugging a modular tone phone into the black jack on the back of the board. You should be able to communicate through the handset to the PC board.

Notes:

WARRANTY POLICY

Avire Inc. warrants its products to be free from defect in materials and workmanship under normal use and service for 24 months from date of purchase. Seller's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor any product which proves defective in materials or workmanship under normal use and service. Avire shall not be responsible for any damage to the unit incurred during installation. Seller shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than Avire factory service. For warranty service, contact Avire at 631-864-3699 or 800-527-9156.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

RETURN POLICY

During installation, if a product does not appear to function properly the installer must call the **Avire** Technical Support Unit at (800) 527-9156, Monday through Friday. If the technician determines that the product is not functioning, an **RA** (Return Authorization) number will be issued, allowing the installer to return the product directly to **Avire** for repair, replacement or credit. Returns with no fault found, will result in a bench charge plus shipping costs. Returns without an **RA** number will result in a restocking charge of 25% or more plus shipping costs.

Need Technical Assistance?

Call 1-800-527-9156