

LUN3573.01 - Aircraft intercom

Type designation: **LUN3573.01**

PN (RN): **3001.100.01**

This aircraft intercom comes in two versions - single-seat and two-seat, featuring communication between crew members. It is sufficiently universal to be used in aircraft made by other manufacturers.

The aircraft intercom is located in the pilot's cockpit. It is attached to the panel by four DZUS-type quick fasteners and therefore easily and quickly replaceable. If installed with the front panel facing up, it is resistant against dripping water that may condense in the cockpit in very humid environment. The unit is linked to the aircraft through two connectors on the rear panel. All controls are located on the front panel, controlling AF signal volume pots, „hot microphone” switch, top and bottom antenna switch and backup control stopped switch. The controls have dedicated shapes so the pilot can differentiate among them by touch.

Technical parameters

BASIC PARAMETERS

Weight	max. 1.2 kg
Dimensions [w x h x d]	146 mm x 95.3 mm x 103 mm
Supply voltage	28 V according to MIL-STD-704E
Current consumption (U = 28 V)	max. 0.5 A

FUNCTION PARAMETERS

Microphone inputs

- primary microphone input	0.4 mVrms/5 Ω
- secondary microphone input	2 mVrms/300 Ω
- microphone input for ground personnel	0.4 mVrms/5 Ω

Audio inputs

• with volume regulation	7 asymmetrical lines
VOR – navigation system	7.07 Vrms/1000 Ω

DME – rangefinder	5 Vrms/1000 Ω
IFF – identifier	1.06 Vrms/300 Ω
RWR – radar warning receiver	3.54 Vrms/300 Ω
MSL – rocket	36 Vrms/5000 Ω
COM1 - transceiver 1	6.5 Vrms/2000 Ω
COM2 - transceiver 2	6.5 Vrms/2000 Ω
• no volume regulation	2 asymmetrical lines
MKR – signal receiver	5 Vrms/1000 Ω
CNATEN - backup output of transceiver 1	12.2 Vrms/>10000 Ω
Logical inputs	
• active at GND level	5 inputs
DH – dangerous height	
MASTER – central signaling	
ACCEL - accelerometer	
R1 - reserve	
R2 – reserve	
• active at +28 V	2 inputs
R3 – reserve	
R4 - reserve	
Audio outputs	
pilots earphone output	1 W/10 Ω
earphone output for the ground operator	1 W/10 Ω
modulation output	2 lines 1.5 V/150 Ω
output for VCR	2 lines 1.326 V/47 kΩ
Resistance against environmental impact complies with RTCA/DO-160C	