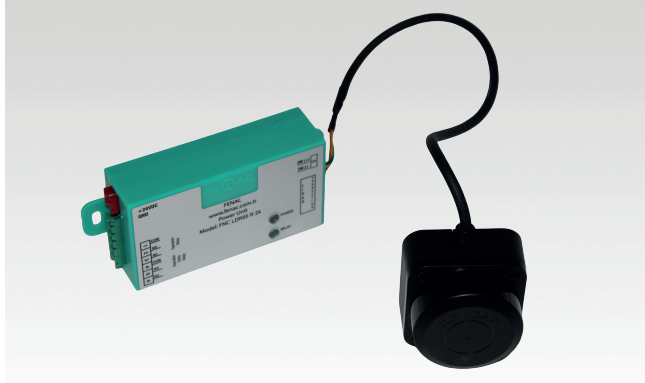


FNC LDR Series



Features

- Compact industrial Lidar
- 360° environmental scanning for precise detection of stationary and moving objects detection sensor
- Stable distance measurement under challenging lighting and varying surface reflectivity
- Optically isolated I/O structure for reliable operation in electrically noisy industrial environments
- Dry-contact relay output (NO/NC) for direct integration with PLCs, elevator controllers automation systems

Technical Data-Lidar

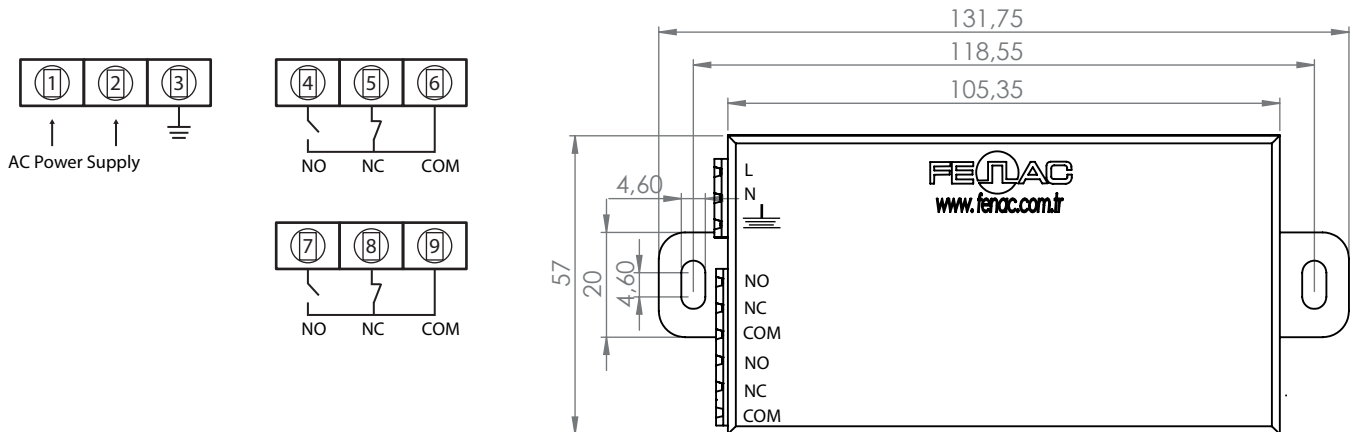
Dimensions	55.6 x 55.6 mm
Distance Range	White object: 0.05-12 meters Black object: 0.05-6 meters
Sample Rate	5KHz
Scanning Frequency	8 ~ 12 Hz, 10Hz@typical
Angular Resolution	0.72°
Scan Field Flatness	0 ~ 1.5°
Communication Interface	TTL UART
Communication Speed	460800
Accuracy	±30 mm
Resolution	15 mm
Degree of Protection	IP54
Ambient Light Limit	40.000 Lux

Technical data-Power Unit

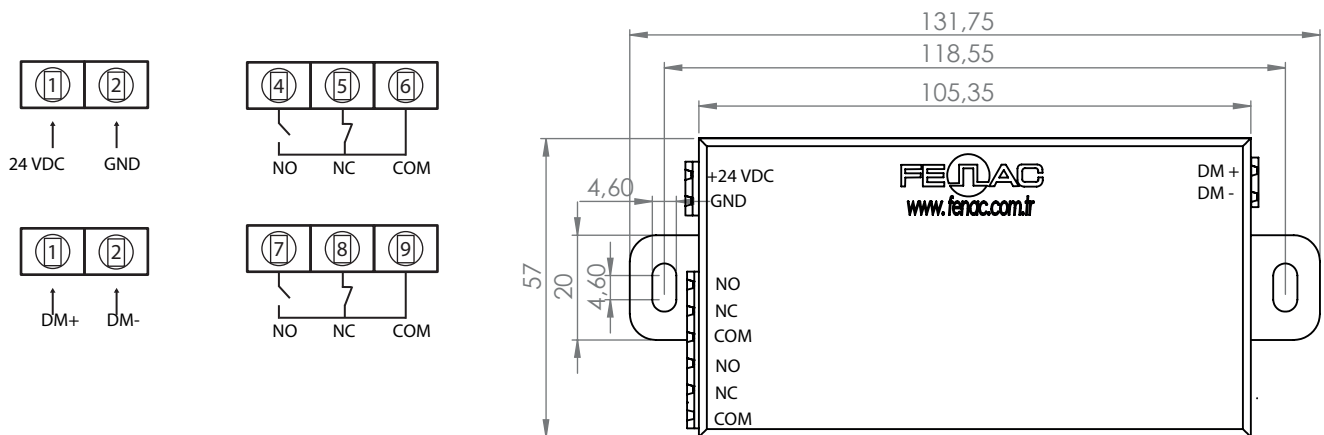
Dimensions	30 x 57 x 133 mm
Operating voltage	85-230 VAC 60 Hz (220V) 14-24 VDC (24V)
Housing material	ABS
Operating speed	3A - 120 VAC 1A - 250 VAC 3A - 24 VDC
Operating temperature	-20...+65°C
Storage temperature	-20...+85°C
Protection level	IP31
Isolation	>2000V
Relay life expectancy	operation 100,000
Output	Operational Relay (NO-NC) Delay Relay (NO-NC)* <i>optional</i> Door Monitoring * <i>optional</i>
Power consumption	< 4W

FNC LDR Series

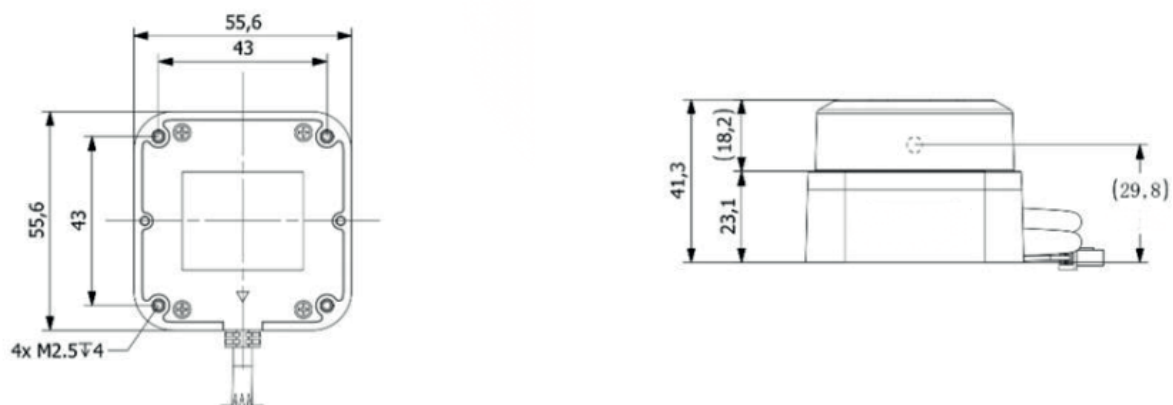
Mechanical Dimensions & Electrical Connectivity for 220 VAC



Mechanical Dimensions & Electrical Connectivity for 24 VDC

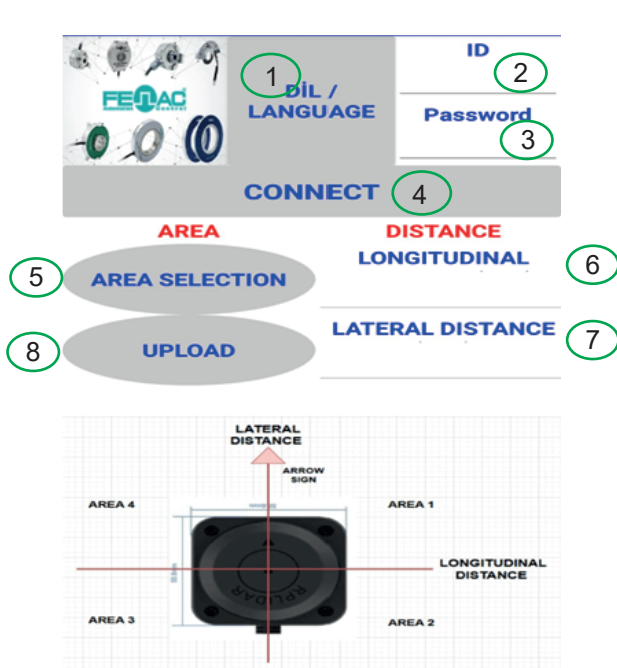


Lidar Mechanical Dimensions



FNC LDR Series

User Interface



- 1 : Language selection
- 2 : Username input
- 3 : Password input
- 4 : Bluetooth connection button
- 5 : Lidar active scanning area selection section
- 6 : Maximum horizontal Lidar scanning distance
- 7 : Maximum vertical Lidar scanning distance
- 8 : User settings storage

FNC LDR Series

Lidar Sensor Part Number

