# UC-RF

RoHS | PC | ABS

## Control unit for DD52R-E-RF

**PLC connection, data transmission via radio frequency**

### MATERIAL
ABS reinforced polycarbonate, self-extinguishing.

### STANDARD EXECUTIONS
- **UC-RF ETHERNET/IP**: control unit with Ethernet/IP serial interface.
- **UC-RF PROFINET IO**: control unit with Profinet IO serial interface.
- **UC-RF MODBUS TCP**: control unit with Modbus TCP serial interface.

UC-RF control unit can manage up to 36 position indicators. DD52R-E-RF (on page ).
Compatible for mounting on DIN RAIL. Two leds (green and red) for correct diagnostics.

### FEATURES AND APPLICATIONS
UC-RF control unit, connected directly to PLC, receives the target positions and sends them to DD52R-E-RF electronic position indicators, receiving their current position (Fig.1).

This system is particularly suitable for applications that require frequent format changes, facilitating the correct adjustment of the target/current position of the machine parts, also representing a safety system.

In fact, even if a single DD52R-E-RF indicator is not placed in the target position, PLC doesn't allow the beginning of the machine production cycle, thus avoiding production issues.

### SPECIAL EXECUTION ON REQUEST
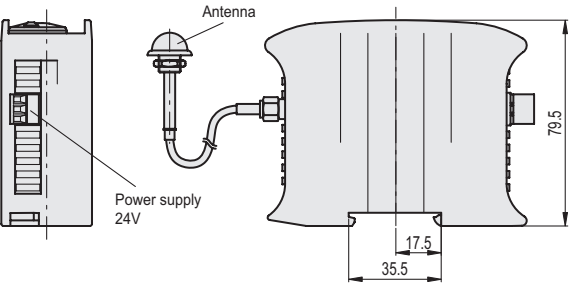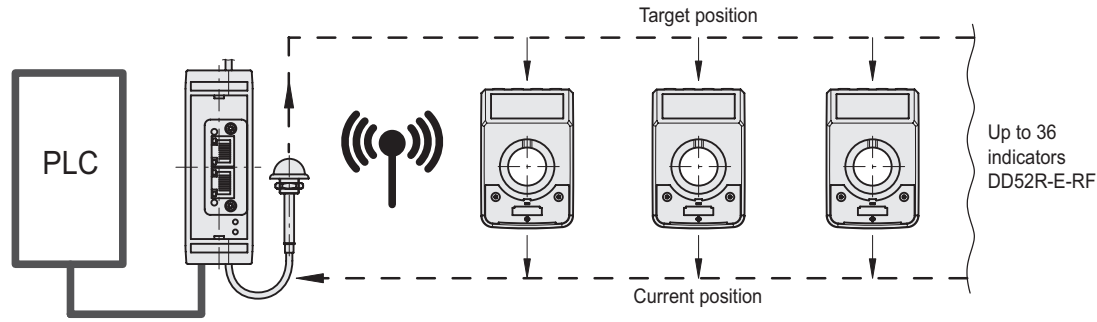Control unit with Profibus, RS485 or RS232 serial interface.

### ACCESSORIES ON REQUEST
FC-UC: antenna extensions with SMA connector.

ELESA Original design

EtherNet/IP | PROFINET | Modbus

Fig.1



Target position

PLC

Up to 36 indicators DD52R-E-RF

Current position

Antenna

Power supply 24V

79.5

17.5
35.5

M11x1

19

11 | 6 | 32.5 | 183.5

Status LED

101

35

| Code | Description | ⚖ |
|------|-------------|---|
| CE.99225 | UC-RF ETHERNET/IP | 50 |
| CE.99231 | UC-RF PROFINET IO | 50 |
| CE.99229 | UC-RF MODBUS TCP | 50 |

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