

Control unit for RF indicators

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 EtherCat**: control unit with EtherCat 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 (see page -) or DD51R-E-RF (see page -) or MPI-R10-RF (see page -).

Compatible for mounting on DIN RAIL. Two LEDs (green and red) for correct diagnostics.

FEATURES AND APPLICATIONS

The UC-RF control unit, connected to the PLC via one of the available buses, allows the latter to read the current position measured by the connected indicators, their status (battery status, errors, settings,...), their configuration parameters and to transmit to each one a possible target position and to configure the parameters (Fig.1).

UC-RF is compatible with all Elesa RF indicators such as: DD52R-E-RF, DD51-E-RF and MPI-R10-RF, receiving their actual position from the indicators (Fig.1).

The radio frequency system network allows different machines to coexist in the same space without problems of mutual interference. 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, if even just one indicator were not in the target position, the PLC would not allow the machine's production cycle to start, thus avoiding starting incorrect productions.

ACCESSORIES ON REQUEST

FC-UC: antenna extensions.

SPECIAL EXECUTION ON REQUEST

Control unit with interface to other buses.

COMPATIBILITY

The control unit "-W2" version is compatible exclusively with the electronic indicators and the magnetic measuring systems of the same "-W2" version.



ELESA Original design

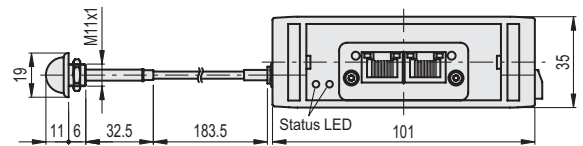
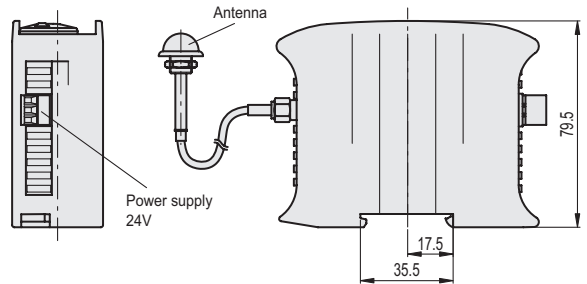
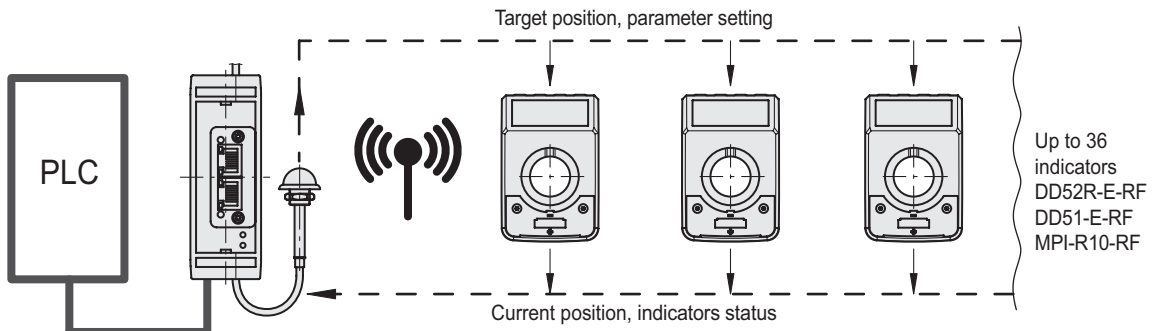


Fig.1



Code	Description	⚖
CE.99225-W2	UC-RF-W2 ETHERNET/IP	272
CE.99226-W2	UC-RF-W2 ETHERCAT IO	265
CE.99231-W2	UC-RF-W2 PROFINET IO	265
CE.99229-W2	UC-RF-W2 MODBUS TCP	275