

SELTA

STCE-RMU



INTEGRATED PERIPHERAL REMOTE CONTROL EQUIPMENT

STCE-RMU is the SELTA **compact** solution for remote control and monitoring of the distribution substations, suitable for indoor or outdoor installation. Its compact structure has been specifically conceived for Utilities that have to **manage a large number of peripheral places**, anyway requiring **high level performances**: like the whole SELTA STCE family, it does offer a wide range of functionalities, to cope with all remote control needs of secondary power distribution grids.

This reliable and safe peripheral remote control equipment is able to manage the information exchange between the plant and the other devices of the system, such as transducers, automatic control, protection and recording equipment, local supervision systems.

STCE-RMU allows the single equipment for remote control communicating with the network management centres in an integrated, fast, precise and flexible way, using IEC standard protocols.

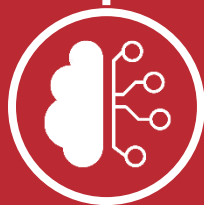
It works with different data transmission networks and it connects all the interested centres.

Besides the traditional functionalities such as collection of both analog and digital data, alarms, measures, and the release of commands, setting and adjustments, STCE-RMU is completed by several main functions, like the SEO (Sequence of events), the automatic generation of sequences of adjustment and command, the acquisition and the modification of the operating parameters of the connected external equipment.

BENEFITS



- Reliable and safe, high processing performances, adjustable in function of the specific requirements
- High communication capacity, as required by the continuous evolution of the network protocols and systems
- High capacity of chronological discrimination
- Simple, fast and efficient maintenance
- Compact Local Control Panel for the direct field management
- Two AC analogue inputs for direct connection to current transformer up to 1A or 5A +20% overload optimize the installation into new stations
- Suitable for indoor and outdoor installation, wall mounted or onto switchgear
- Web server facility
- Easy software tool for local/remote maintenance
- Automation logics can be freely programmed according to the IEC 61131 standard



TECHNICAL FEATURES

Communication ports with the Control Centre

- Maximum number of managed centres: 3
- Communication protocols: IEC 60870-5-101 (up to 2 connections)
IEC 60870-5-104 (up to 3 connections)

Direct I/O

- Command digital Outputs: Up to 12
- Digital Inputs: Up to 32
- DC analog Inputs: Up to 8 (6+2 alternatively to AC analog Inputs)
- AC analog Inputs: Up to 2 (alternatively to 2 DC analog Inputs)

Communication ports with IEDs (external devices)

- Ports: 1 RS232
1 Ethernet
- Communication protocols: IEC 60870-5-101 - IEC 60870-5-104
IEC 60870-5-103 – Modbus
- Managed points: Up to 2000 in gateway modality
Unlimited in proxy modality

Other functionalities

- Automation logics: IEC 61131
- Local log diagnostic buffer capacity: Field events buffer: 2000 logs
Diagnostic events buffer: 200 logs

Local Control Panel

- Operating modes: OFF/ Local (Normal + Hit&Run) / Remote
- Number of switches that can be interfaced: Up to 4
- Signalling: Switch status (open/closed)

Electrical and mechanical features

- Primary power supply: 230 Vac (with power supply unit /battery charger)
24/48 Vdc (without power supply unit /battery charger)
- Power supply of the digital input contacts: Internal (24 Vdc) - External (max. 48 Vdc)
- Power supply of the digital output contacts: Internal (24 Vdc) - External (max 130 Vdc)
- STCE/RMU Consumption: <15 W
- Heater Consumption: <30 W
- Dimensions (cabinet): 800 mm x 500 mm x 300 mm (H x W x D)
- Weight (with maximum equipment): < 42 Kg
- Protection level: IP65

Battery

- Dimensions: 250 x 150 x 110 mm
- Nominal capacity: 26 Ah
- Maximum recharging time: 12 Hours

