TECHNICAL FEATURES

LOCAL CONTROL PANEL

- Operating modes: off/local (Normal+hit&run)/remote
- Number of controlled/MV CB /switches: 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 digital inputs contacts: internal (24 Vdc) - external (max. 48 Vdc)
- Power supply of digital outputs contacts: internal (24 Vdc) - external (max 130 Vdc)
- STCE/RMU consumption: <15 W
- Heater consumption: <30 W
- Dimensionsions (cabinet): 800 mm x 500 mm x 300 mm (AxLxP)
- Weight (with maximum equipment): < 42 Kg
- Level protection: IP65

OTHER FUNCTIONALITIES

- Automation logics: IEC 61131
- Local log diagnostic buffer capacity: field events buffer: 6000 logs
  diagnostic events buffer: 200 logs

COMPLIANCE

- S-CPS-RTUDMS-PUB-CUS-PU_00 (REV.0-2022)
- D-CPS-RTUDMS-PUB&CUS&PU

BATTERY

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

STCE-RMU

Monitoring&Control of medium-voltage grids

Integrated system for secure local/remote control of MV Ring Main Units

DigitalPlatforms SpA BU Offices

BU DP Infrastructures - Selta: 29010 Cadeo (PC), Italy, Via Emilia 231 - ph. +39 0523.50161 – fax. +39 0523.5016333
BU DP Infrastructures - Selta: 64018 Tortoreto (TE), Italy, Via Nazionale km 404,500 - ph. +39 0861.772511 – fax. +39 0861.772555
DigitalPlatforms SpA registered office: 00155 Roma (RM), Italy, Via Andrea Noale 351 - ph. +39 062291879 – fax. +39 0622709440

www.selta.com
marketing@selta.com

+Automation

SELTA - DigitalPlatforms **STCE-RMU** is a compact solution for remote control and monitoring of secondary distribution power stations, designed for both indoor and outdoor installations. The compact structure has been specifically designed for utilities that need to manage a large number of peripheral workstations with a high-level of performance. As the entire SELTA-DigitalPlatforms STCE family devices, **STCE-RMU** also has a complete range of functionalities that meet the remote control needs of secondary electricity distribution networks.
STCE-RMU, a reliable and safe device, is able to manage the exchange of information between the plant and other system devices, such as RTUs, transducers, protection devices and local supervision systems. **STCE-RMU** allows single remote control devices to communicate with the network management centers in the integrated, flexible and quick way, using standard IEC protocols.

BENEFITS

- Reliability and security;
- high processing capabilities, customizable according to specific requests;
- high communication capabilities aligned to the continuous evolution of network systems and protocols;
- high capacity of chronological discrimination;
- simple, fast and efficient maintenance;
- compact local control panel for direct field management;
- 2 AC analogue inputs for direct connection to current transformer (1A or 5A +20% overload);
- indoors and outdoor installation;
- wall mounting;
- diagnostic web server;
- freely programmable automation logics compliant with IEC 61131 standards;
- software configuration tool:
  - ✓ the existing RMU Config tool is compatible with both RMU3K and RMU4K, allowing the maintenance operators to take advantage of the extended lifecycle;
  - ✓ new RMU Config tool runs on MS Win10Pro & Win11 (available on request*)

CYBERSECURITY

“Cybersec license pack” contains:
- ✓ authentication and encryption: Radius, SNMPv3;
- ✓ communications security: HTTPS, SSH, TLS;
- ✓ access tracing: Security Log;
- ✓ secure communications protocol: IEC 62351*.

(*Contact us for more details)

ORDERING CODES:
- STCE-RMU complete with cabinet, LCP and power battery charger: 623072000-E0-IT

Spares:
- RMU Alt.Mix. I/O board: 310072004-A0
- CPU4K: 310072032
- Local Control Panel (LCP): 310072007-A0
- Long Life Battery 12V 26Ah: 135500001

ADVANCED FUNCTIONALITIES

In addition to the traditional functions of analog and digital data collection, alarms and measurements, **STCE-RMU** is enriched by other important functionalities including SoE (Sequence of Events), the automatic generation of regulation and command sequences that allows commands and adjustment points, acquisition and modification of operating parameters related to connected external devices. The device automation logics are based on the IEC 61131 standard with an event storage buffer capable of recording up to 6000 events for the field and 200 for diagnostics.

INTEGRATION

STCE-RMU device can be integrated into different data transmission networks and enable the connection of all the centers involved in the network.

MAIN FEATURES

COMMUNICATION WITH CONTROL CENTER

- Maximum number of managed centers: 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 mode
  unlimited in proxy mode