



SYNCONpanel

Transportable Remote Synchronizing Panel

OPERATION

The user locally measures voltage V_{L1-N} of the one system and voltage V_{L1-N} of the other system via direct measuring inputs on the front of the SYNCONpanel. In the SYNCONpanel package is the control unit SYNCON included which compares those two voltages with each other. The frequency and voltage of the two systems and the phase angle between the two systems are displayed on the LC display. This value is transferred via a CAN bus to the genset control GCP-31/RPQ-SC08 which is situated in the mobile genset container. There the control of frequency and voltage are progressed.

- Flexible solution for mobile genset maintenance applications
- Synch-check relay
- Synchronizer
- Power transfer zero control
- CAN bus based communication
- True RMS sensing
- Front panel configurable
- Microprocessor technology for accurate, repeatable and reliable operation

APPLICATIONS

For maintenance on a high voltage transformer or on the high voltage utility it is necessary to supply the load of the isolated (and with switching the transformer OFF) voltage free busbar with power. Therefore one or several mobile container(s) with gensets can be used. Because this containers are placed outside the building with the transformer the service personnel needs an direct access to remote set the frequency and the voltage of the mobile genset for synchronization. If there is no circuit breaker but only a fuse accessible a need for the additional feature "zero-angle-control" at that point is necessary.

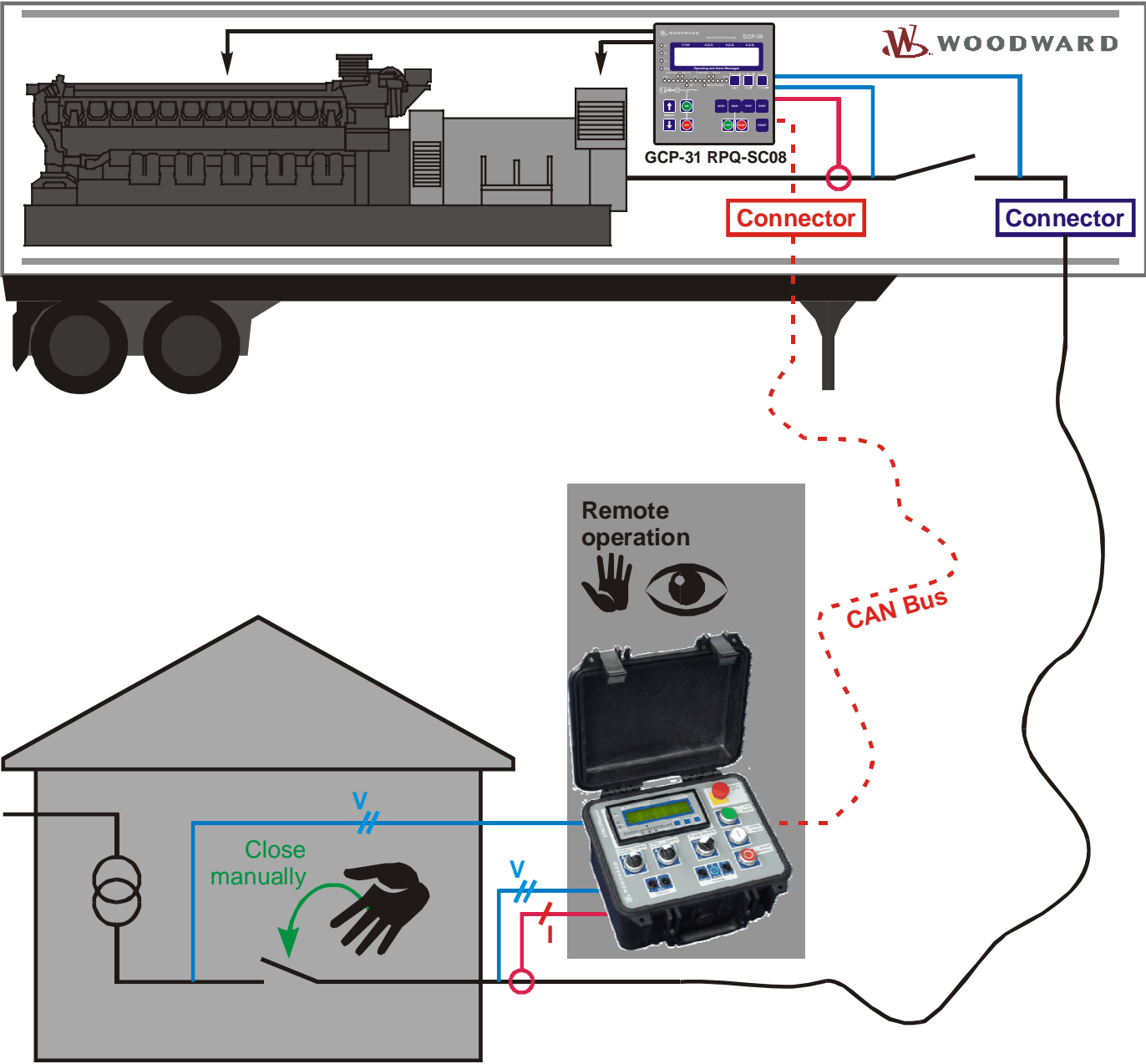
The SYNCONpanel is a remote synchronizing panel that transfers a local measured difference between two voltage systems via CAN bus to the genset control GCP-31/RPQ-SC08 (P/N 8440-1764). Please refer to the Product Specification 37316 for more details about this unit.

DESCRIPTION

Features

- True RMS voltage (A and B side)
- True RMS current (A side)
- Synch-check functionality
- Remote control of frequency, voltage, real power, and power factor
- Zero-phase-angle-control
- Power transfer zero control (softload)
- Two-line LC display

APPLICATION



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OVERVIEW

Included in SYNCONpanel Package

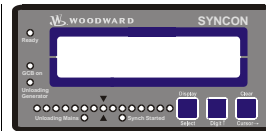
SYNCONpanel Package

SYNCONpanel Remote Control Box



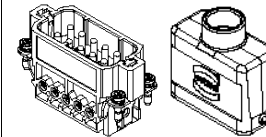
yes P/N 8440-1276

SYNCON Control Unit



yes

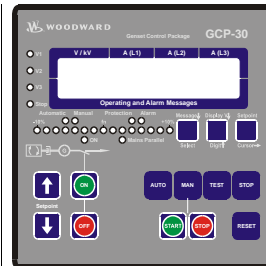
Connector Set
 - Male
 - Female



yes

SYNCONpanel Accessories (not included in the SYNCONpanel Package)

Genset Control GCP-3145B/RPQ-SC08



no P/N 8440-1764

Measuring Kit
 - 3x Flat Bar Clamp
 - 1x Clamp-On Transducer
 - Wires



no P/N 8923-1035

For more information contact: