

**PANEL INDICATOR
FOR SYNCHRO CHECK
RELAY**
Type: SYPD

FEATURES

- Remote indication
- Easy three wire connection
- No connection to high voltage

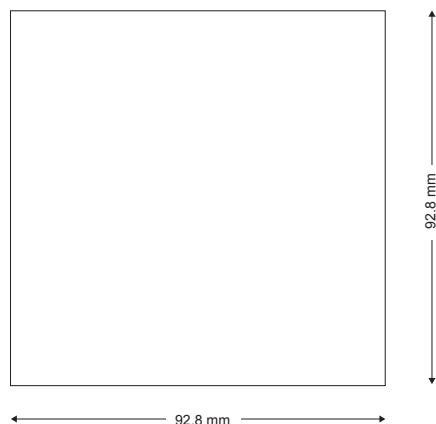
Description:

The indicator type SYPD, is designed to give a remote visual indication of the status of two generators or a generator and the mains as registered by the Synchro Check Relay type SYND. For an easy installation, the SYPD is using a three wire serial interface to the SYND. Mechanically, the SYPD is delivered in a standard DIN case 96 x 96 mm. IP65 can be achieved by use of a silicon rubber cover.

Operation:

The SYPD displays $U_{bus} > 75\%$ or a Dead Bus, $U_{gen} > 75\%$, $\Delta V < \text{limit}$ and $\Delta \phi < \text{limit}$. The green LEDs are ON when the corresponding values are within the tolerances. When the synchronisation is achieved, the Sync LED, displaying the status of the relay in the SYND, gives a short blink or stays ON, depending on the selected function of the SYND. The difference in frequencies, between the two bus systems, is indicated by a running light on the circular LEDs at the scale centre. The larger the difference in frequency - the higher the velocity of the running light. One revolution per sec. corresponds to one Hz difference. The direction of the running light depends on whether the generator is too fast or too slow to cut in.

PANEL HOLE



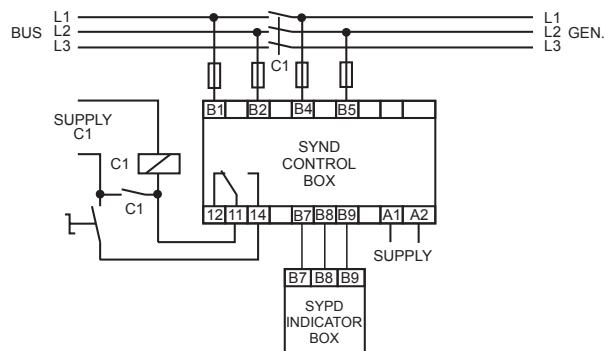
Application:

Front panel indication of the status of the two bus systems and the function of the Synchro Check Relay SYND.

Specification:

Box and frame	Dimensions as per DIN43700 and DIN 43718 IP52 (IP65) according to IEC 144 and DIN 40050 Heat resistant ABS Self extinguishing as per UL 94 Glass or Macrolon front
Base	Terminals IP20 max. 2mm Heat resistant PPO Self extinguishing as per UL94
Temperature range	- 25 °C to + 55 °C
Humidity	Up to 90 % RH non-condensing
Weight	0.24 kg

CONNECTION DIAGRAM



International Standards
EN50081 - Emission
EN50082 - Immunity
EN60255 - Electrical Relays

EMC directive 89/336:
Low voltage directive 73/23:

ORDERING INFORMATION

EXAMPLE:

TYPE
Panel indicator

FRONT
Glass
Macrolon

