

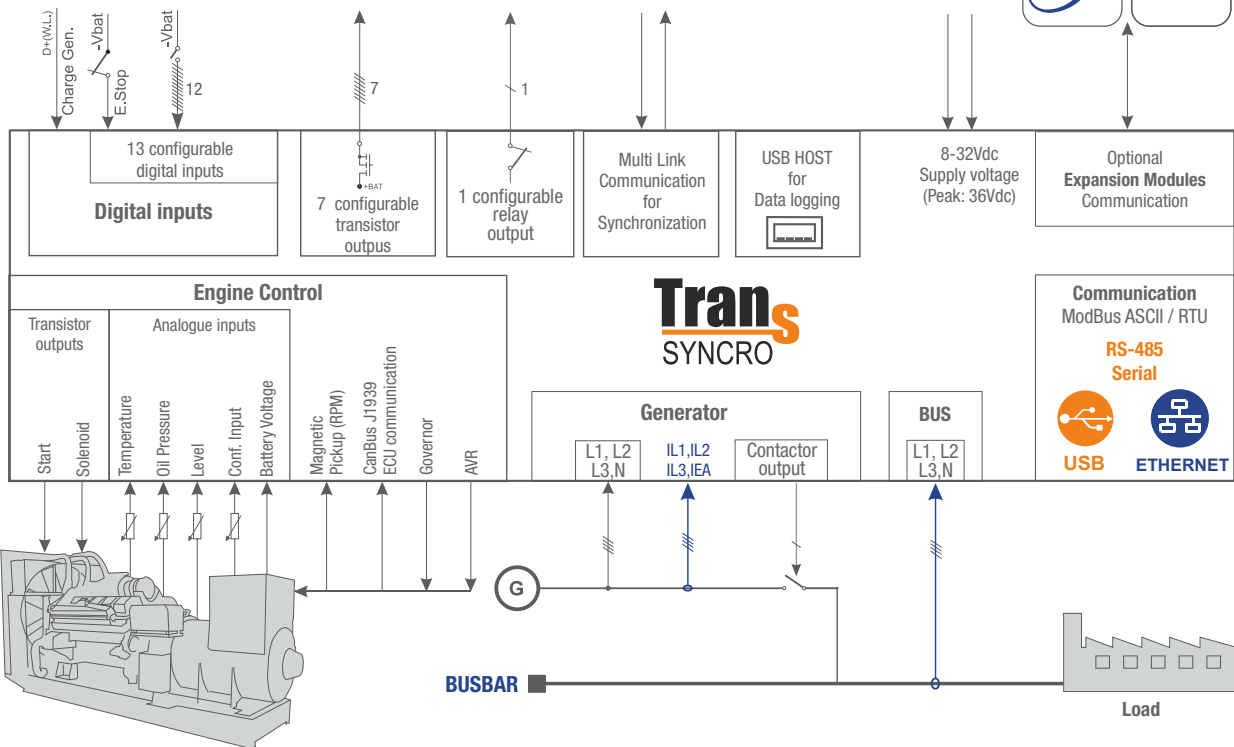
**Auto Start  
Load Share Unit**



- Multi genset load sharing (up to 32 gensets)
- kW and kVAr load sharing
- Busbar voltages and frequency measurements
- Dead bus sensing
- Bus failure detection
- Sequential set start
- Manual voltage/frequency adjustment
- Load dependent automatic Start/Stop
- Equal aging of gensets
- Direct/Reverse governor and AVR control
- Volts, frequency and phase matching
- Synchroscope display
- Logic Controller functionality for PLC



- ▶ **Pre-Alarm**
  - Engine temperature
  - Oil pressure
  - Fuel level
  - Over / Under voltage
  - Over / Under frequency
  - Over / Under speed
- ▶ **Warning & Electrical trip**
  - Earth fault
  - Over current
  - Short circuit
- ▶ **Alarm**
  - Generator breaker not opened
  - Generator breaker not closed
- ▶ **Controls**
  - Fuel and Stop solenoid
  - ECU power and stop
  - Starter motor
  - Automatic generator start
  - Preheat
  - External alarm horn
  - Engine cooling
  - Idle mode
- ▶ **Fail Monitoring**
  - Emergency stop
  - Failed to start
  - Low oil pressure
  - High temperature
  - Speed failure
  - Voltage failure
  - Charging fail
  - Shutdown
  - Warning
- ▶ **Error**
  - Over / Under speed
  - Speed loss
  - Earth fault
  - Fuel level
  - Battery low
  - Battery high
  - Maintenance
  - Over current
  - Short circuit
  - Engine stop
  - CanBus
  - Charge alternator



Dimensions	: 276 mm x 189 mm x 45 mm. (including connectors). Plastic housing for panel mounting.
Panel Cut-Out	: 223mm x 162mm.
Protection	: IP65 at front panel.
Weight	: Approximately 0,82 Kg.
Environmental Rating	: Standard, indoor at an altitude of less then 2000 meters with non-condensing humidity.
Operating/Storage Temperature	: -20°C to +70°C / -30°C to +80°C
Operating/Storage Humidity	: 95% max. (non-condensing)
DC Battery Supply Voltage	: 8 to 32 V dc (Peak: 36Vdc) Max. operating current is 860 mA.
CT Secondary	: 5A.
Sender Measurement	: 0 to 1300 ohm, accuracy: 1 % FS, resolution: 1 ohm.
Communication Interface	: USB programming and communication port, CanBus communication with 1939 ECU, CanOpen, Ethernet, RS485.

**Order Information**

**Trans-SYNCRO**

Synchronising & Load Sharing Unit For Gas/Diesel/Gasoline Generators with J1939 ECU communication